

FIG. 1A

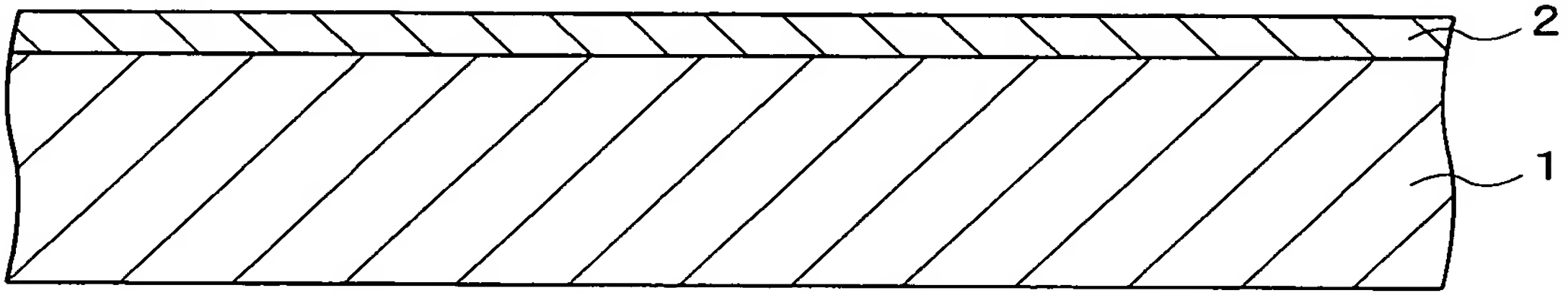


FIG. 1B

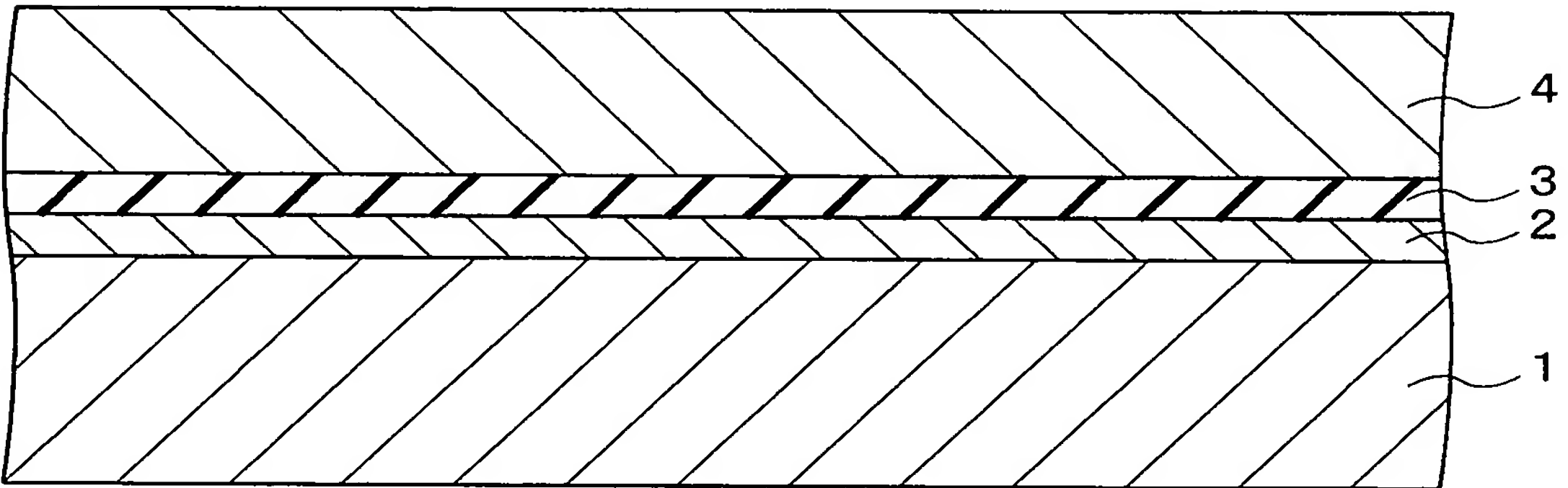


FIG. 1C

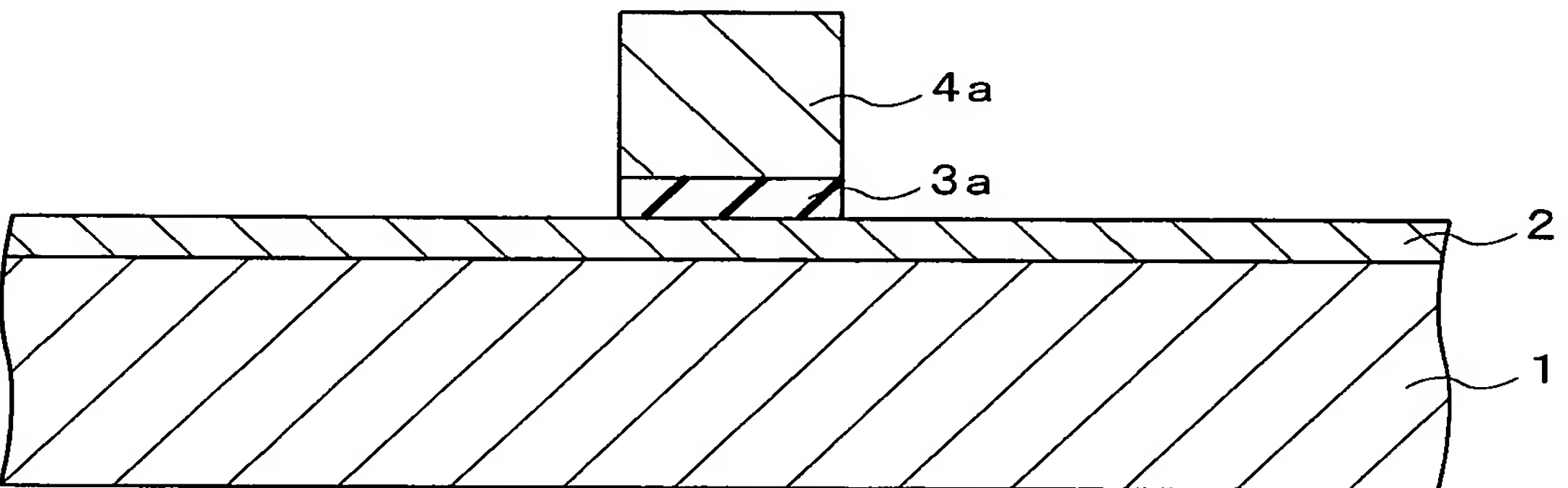


FIG. 2A

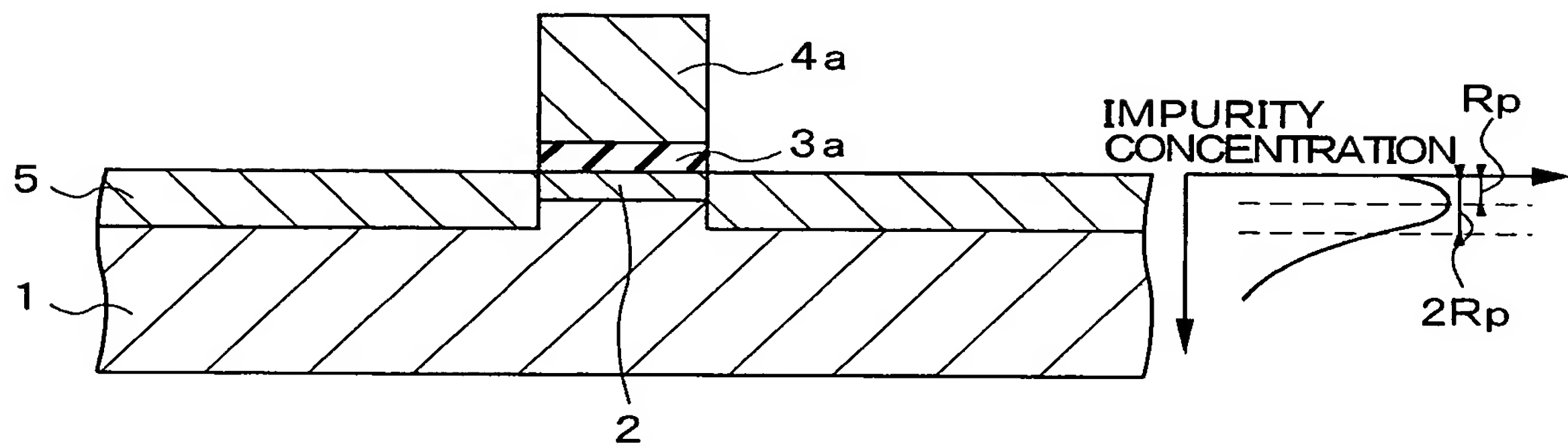


FIG. 2B

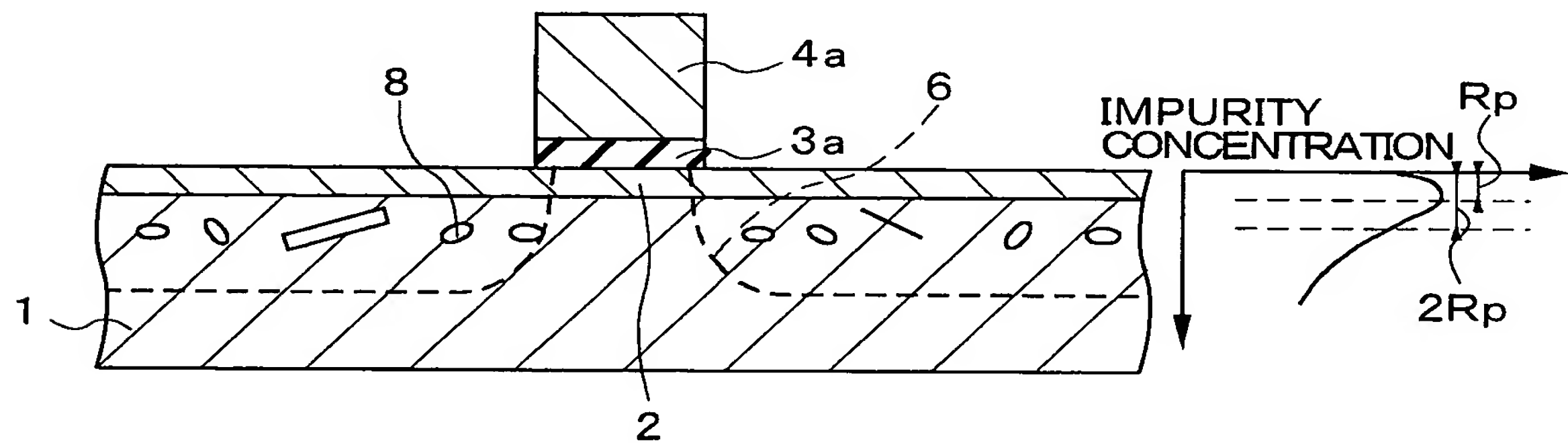


FIG. 2C

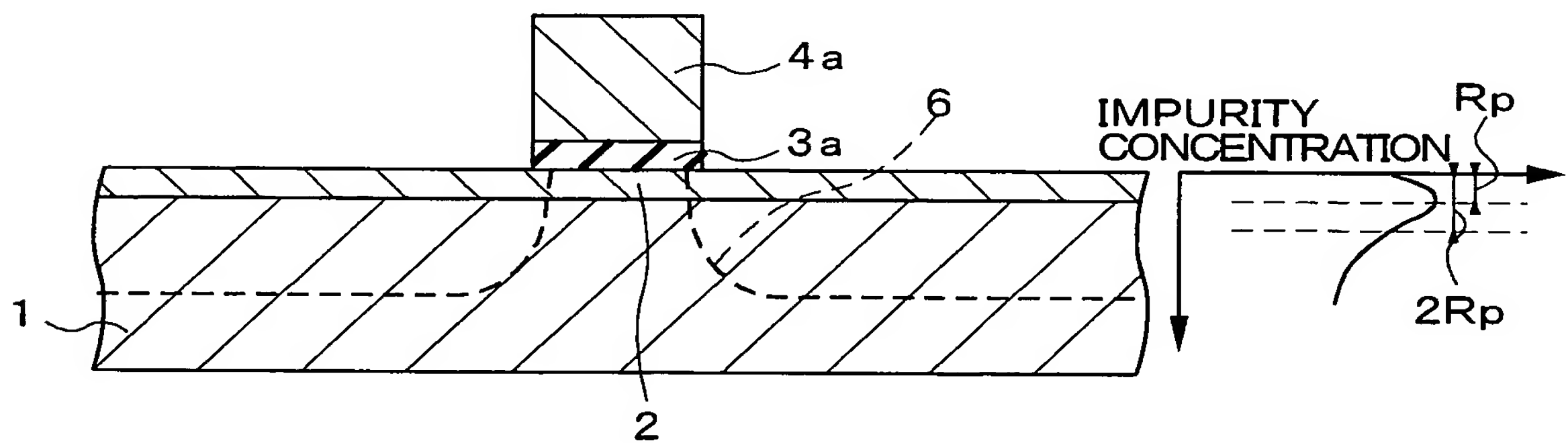


FIG. 3A

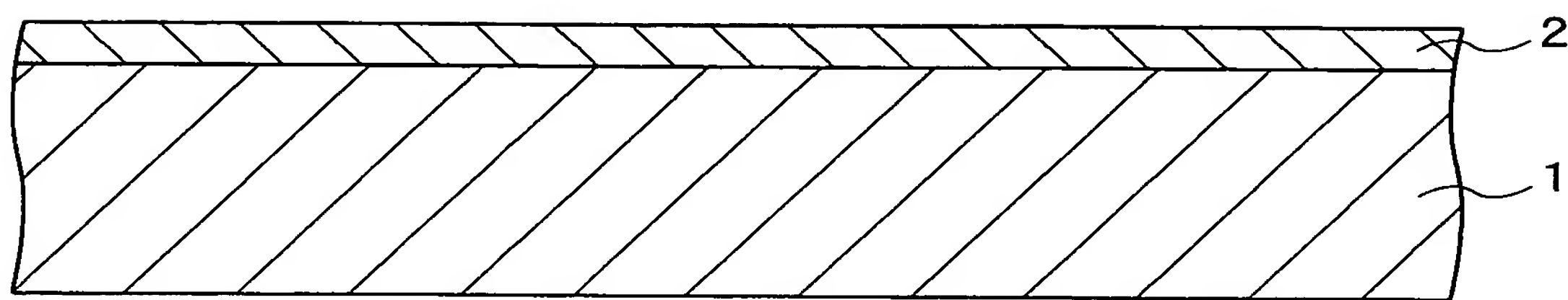


FIG. 3B

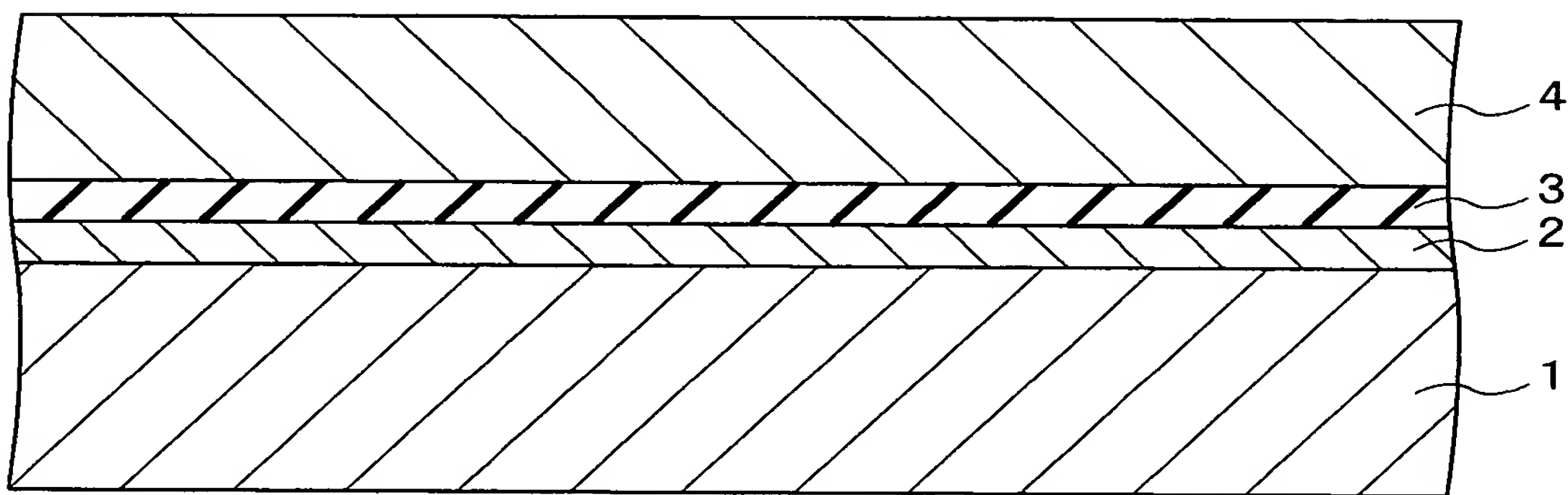


FIG. 3C

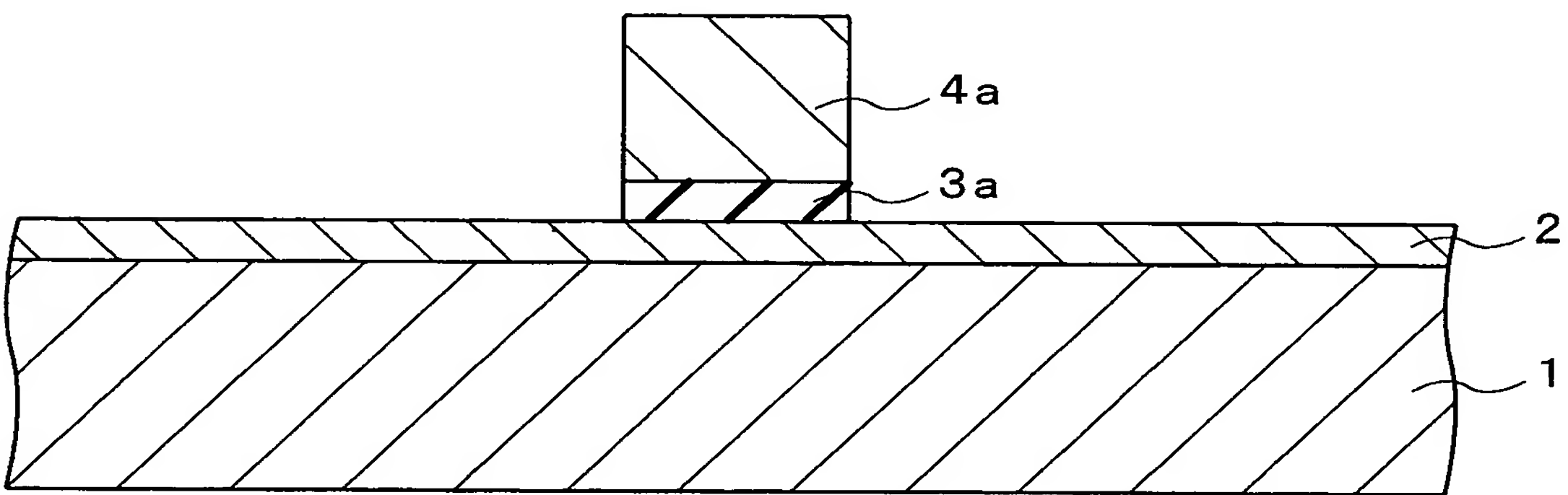


FIG. 4A

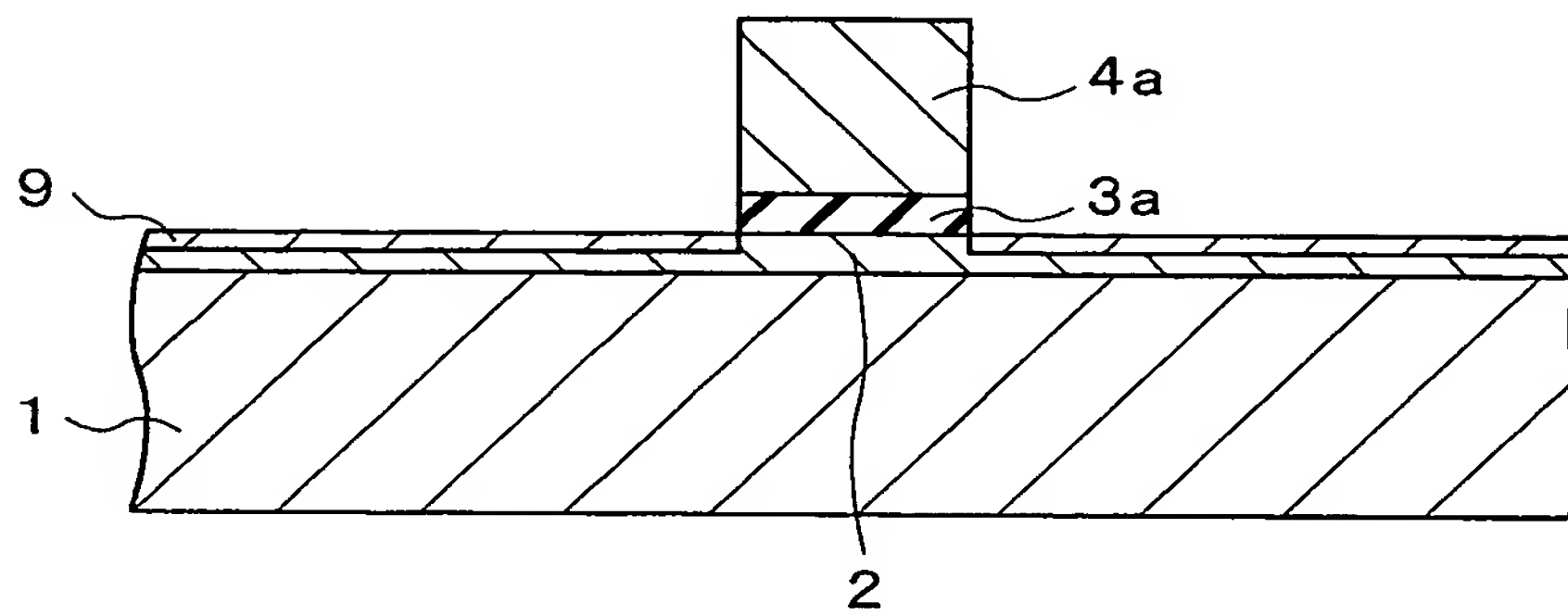


FIG. 4B

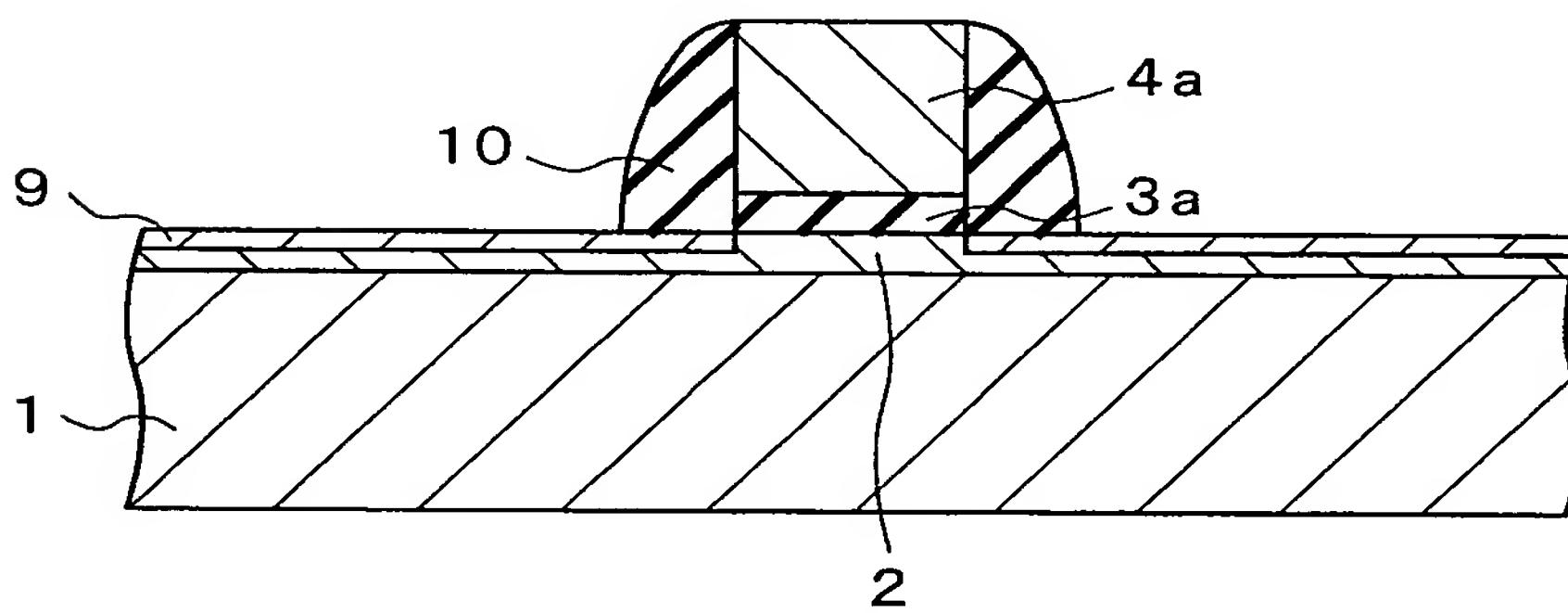


FIG. 4C

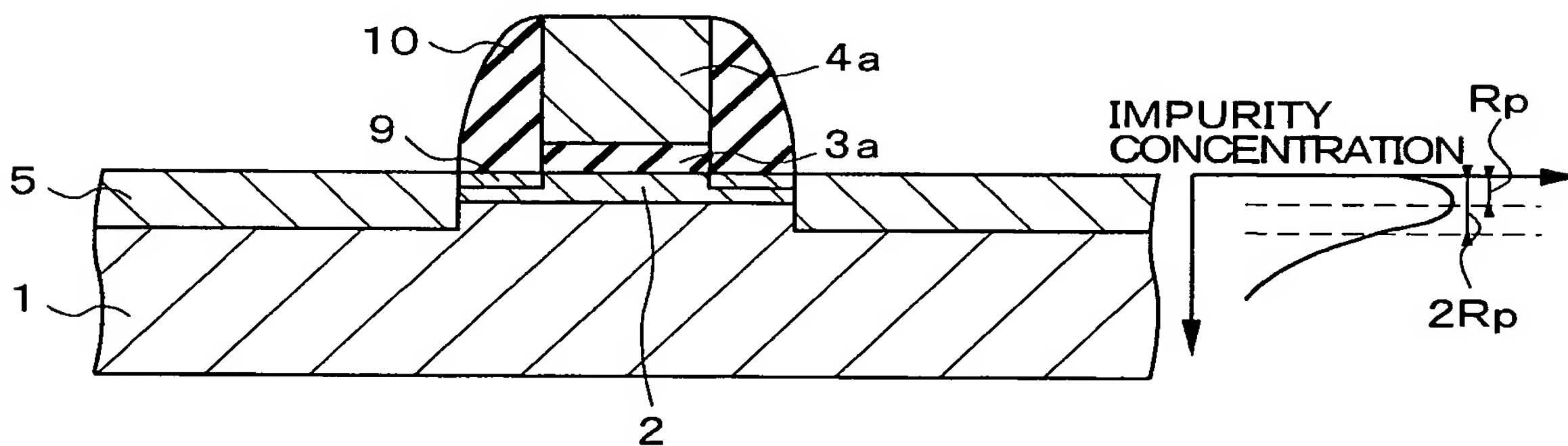


FIG. 5A

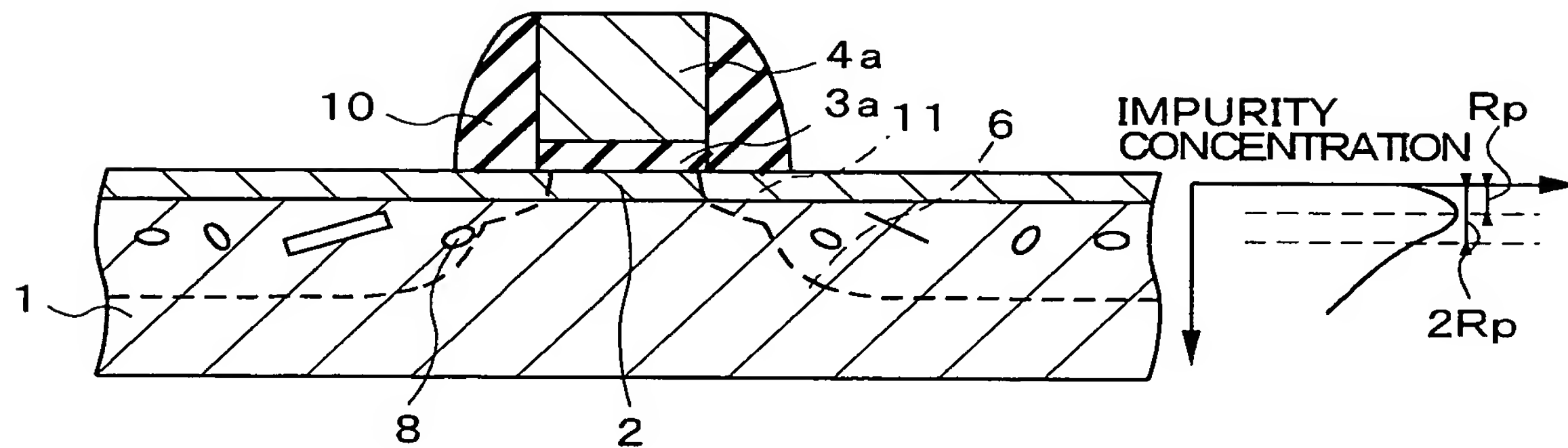


FIG. 5B

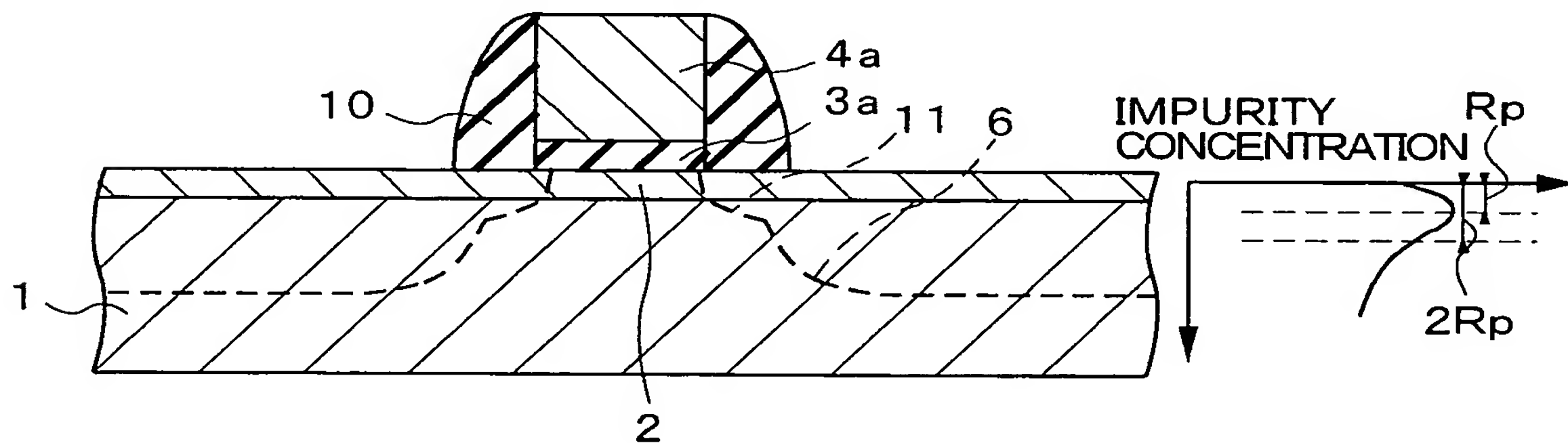


FIG. 6

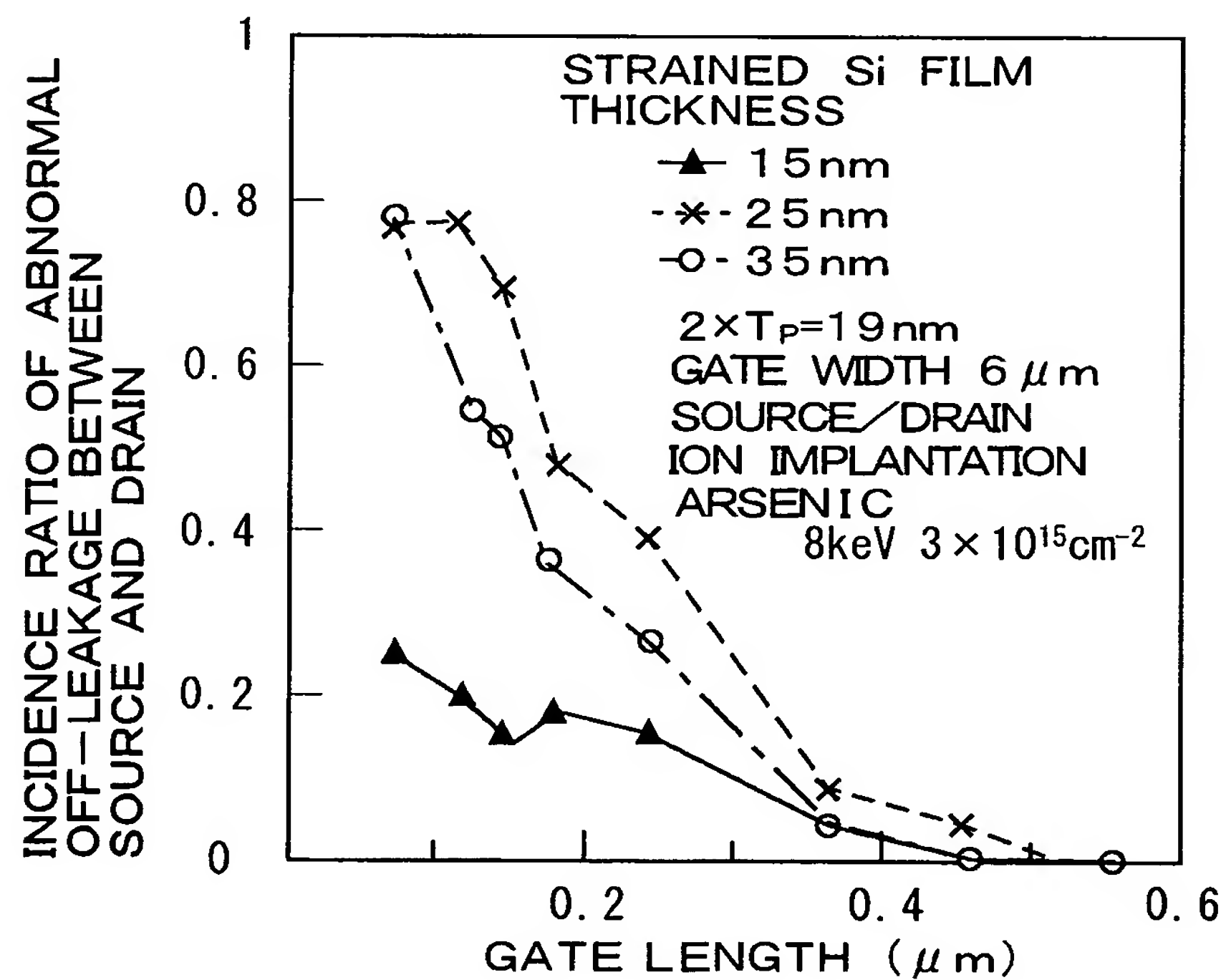


FIG. 7A

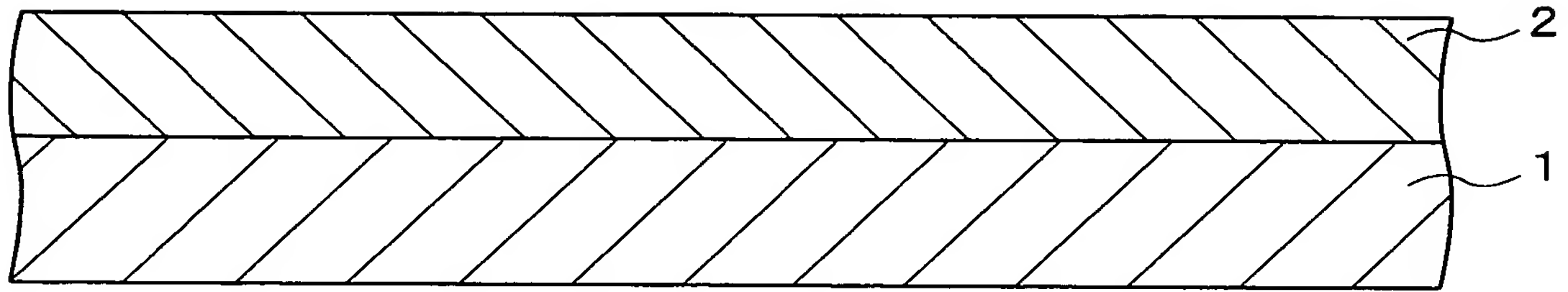


FIG. 7B

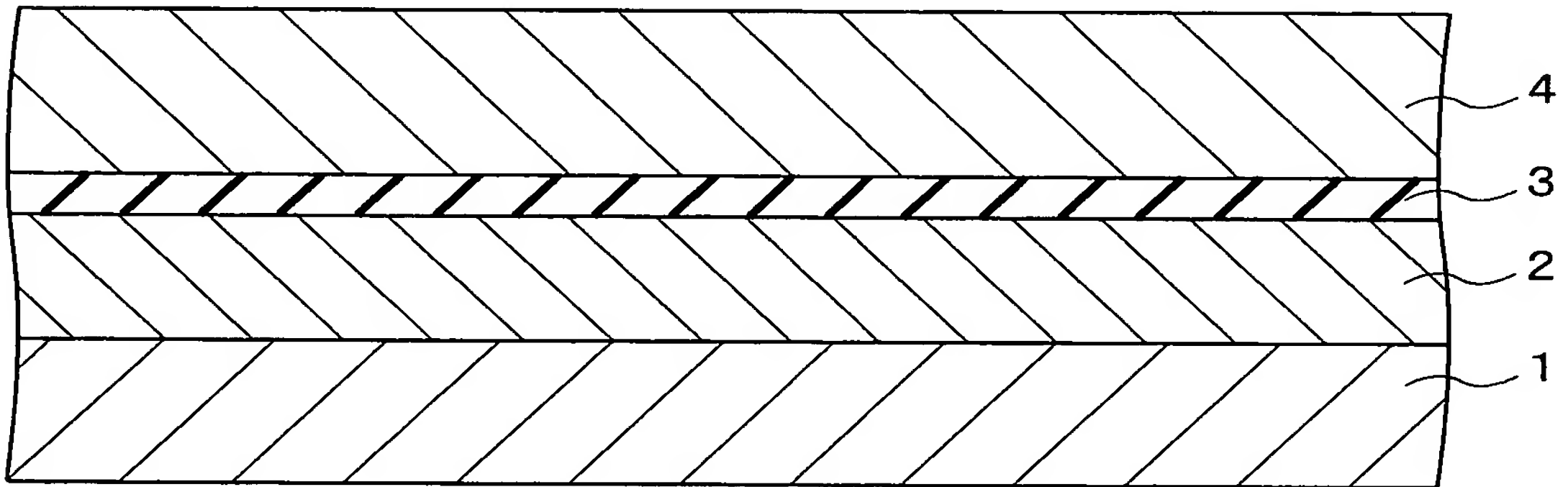


FIG. 7C

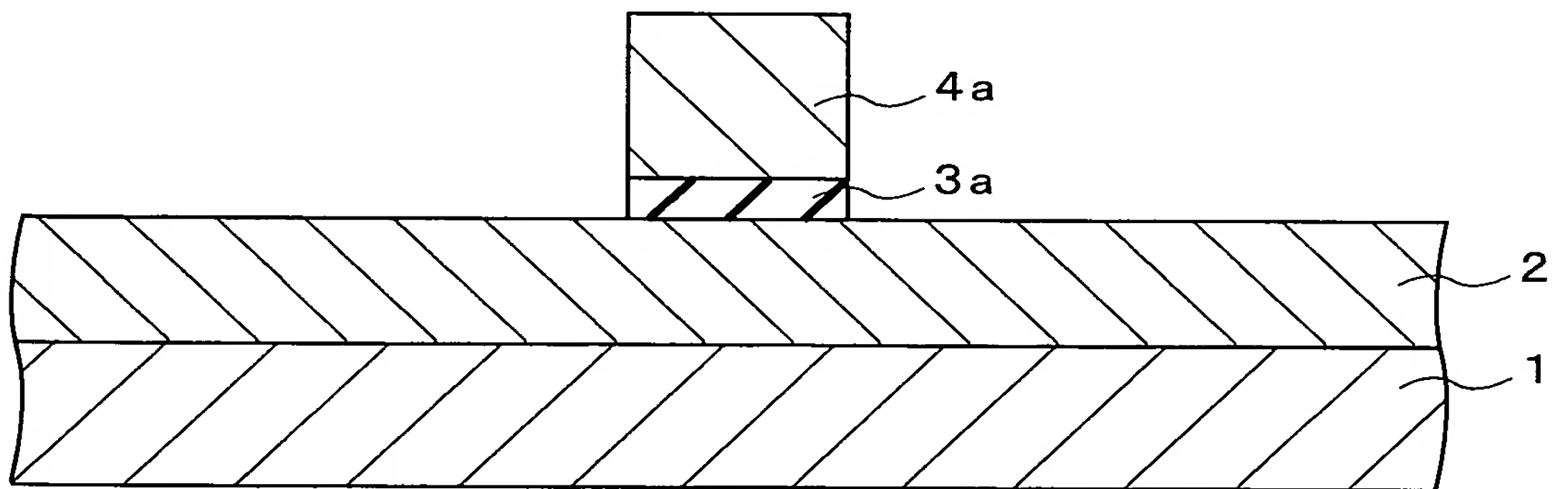


FIG. 8A

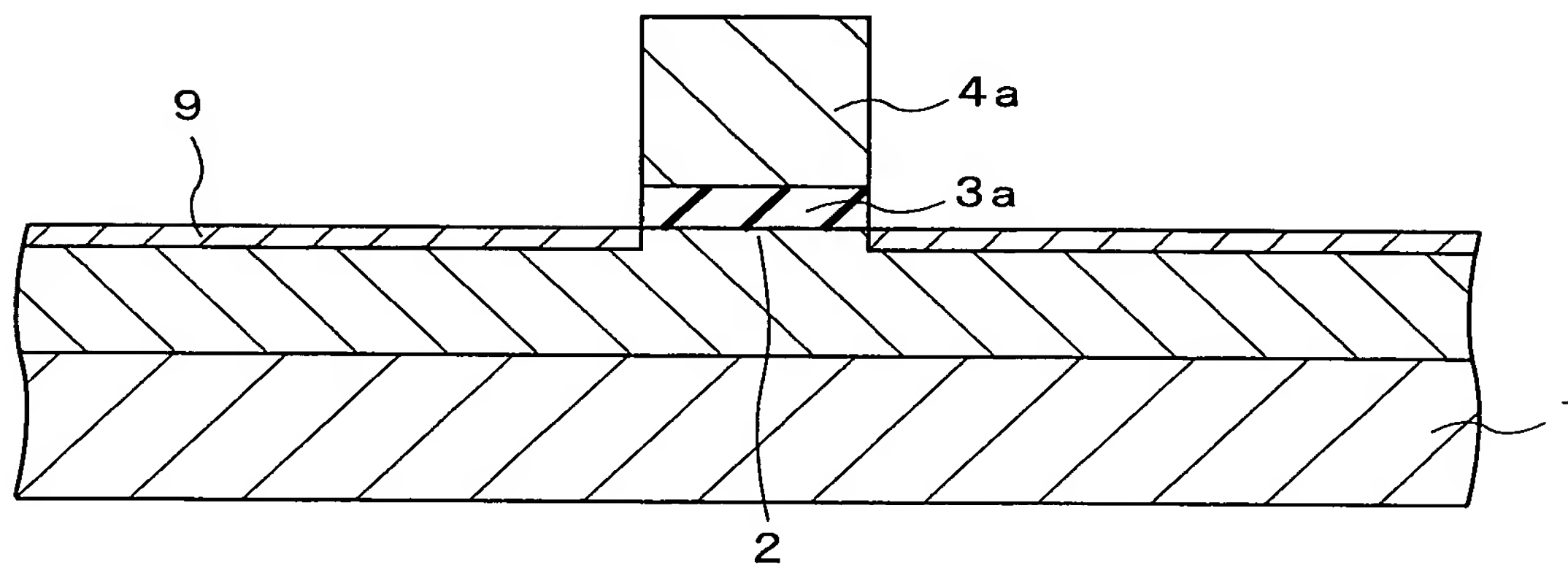


FIG. 8B

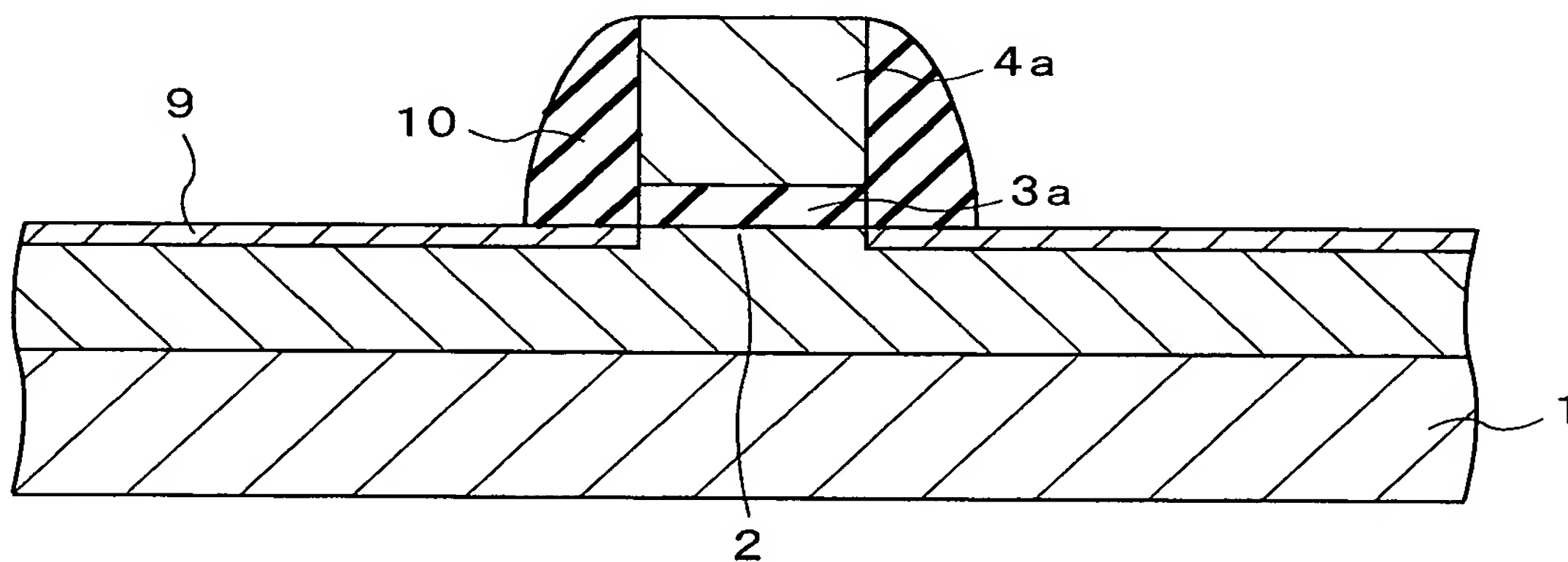


FIG. 8C

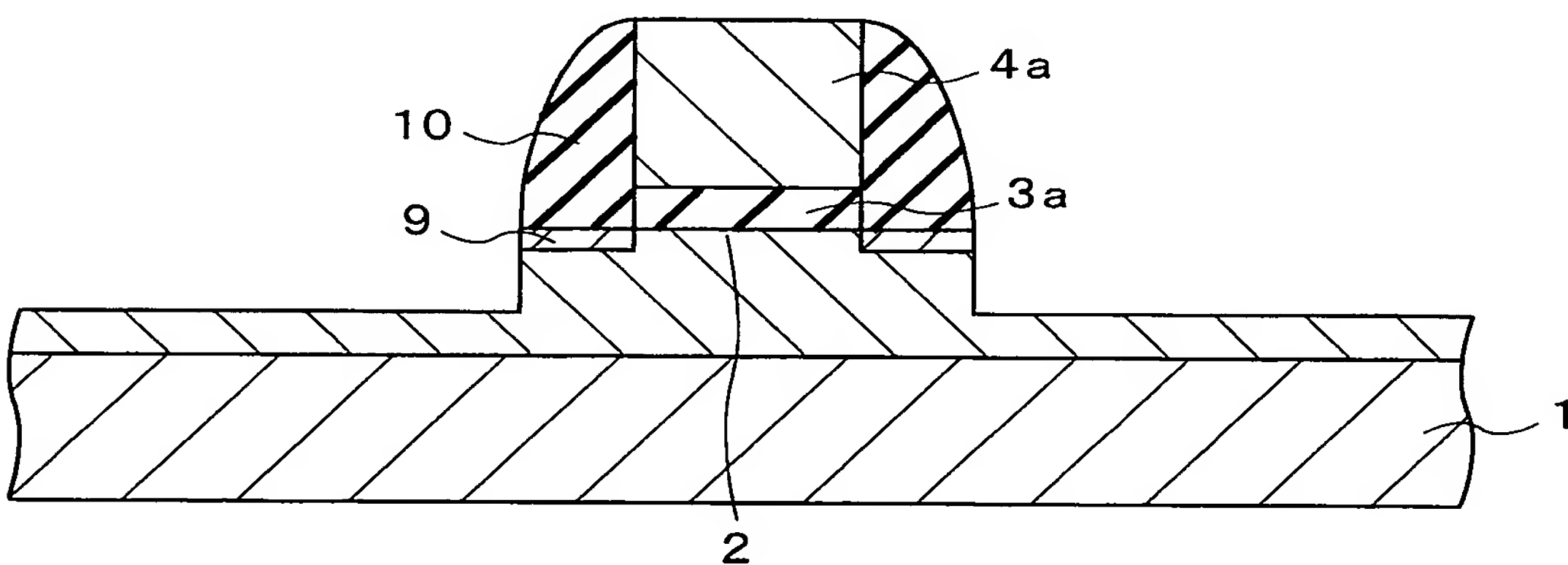


FIG. 9A

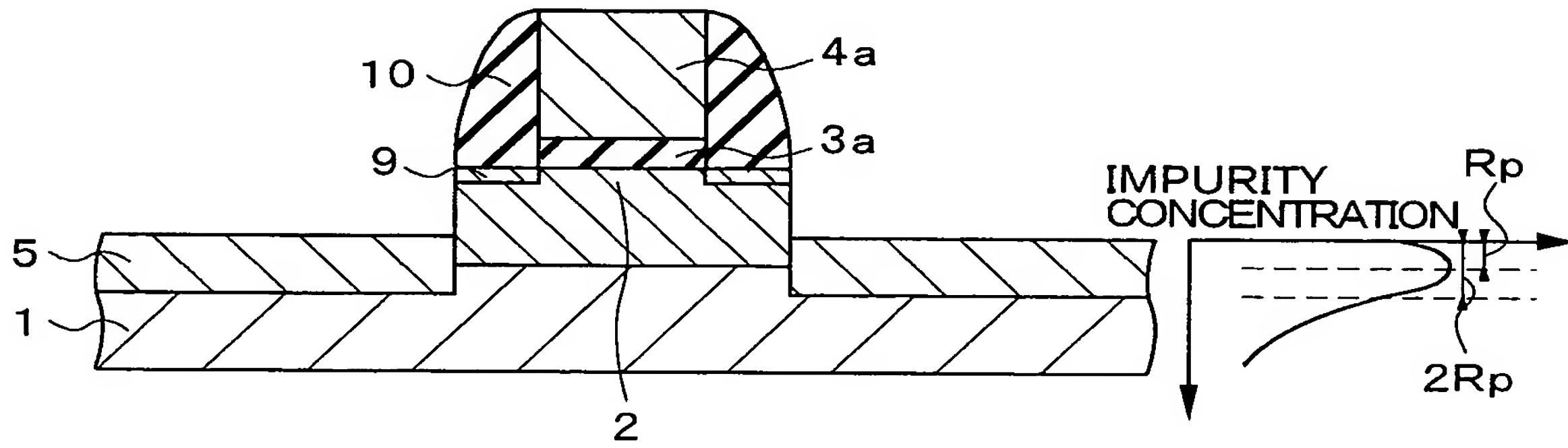


FIG. 9B

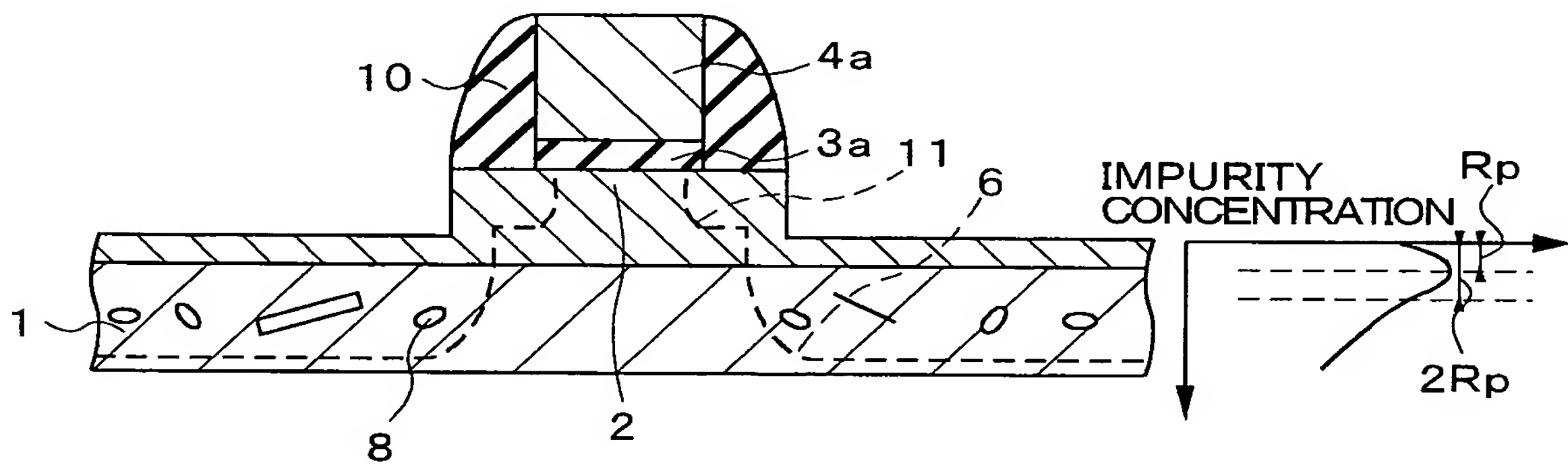


FIG. 9C

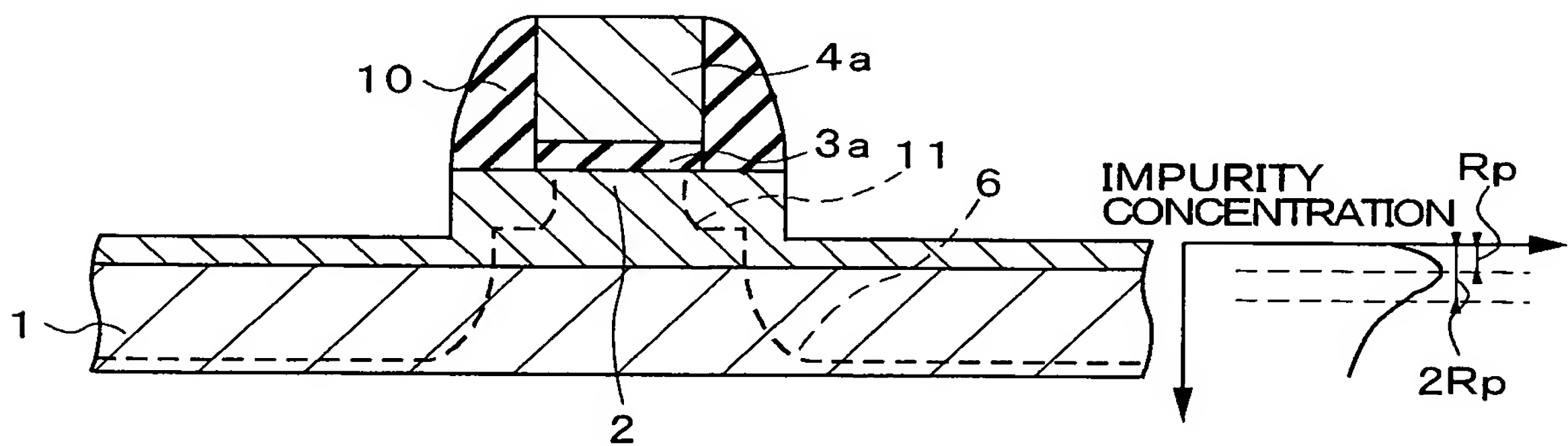


FIG. 10A

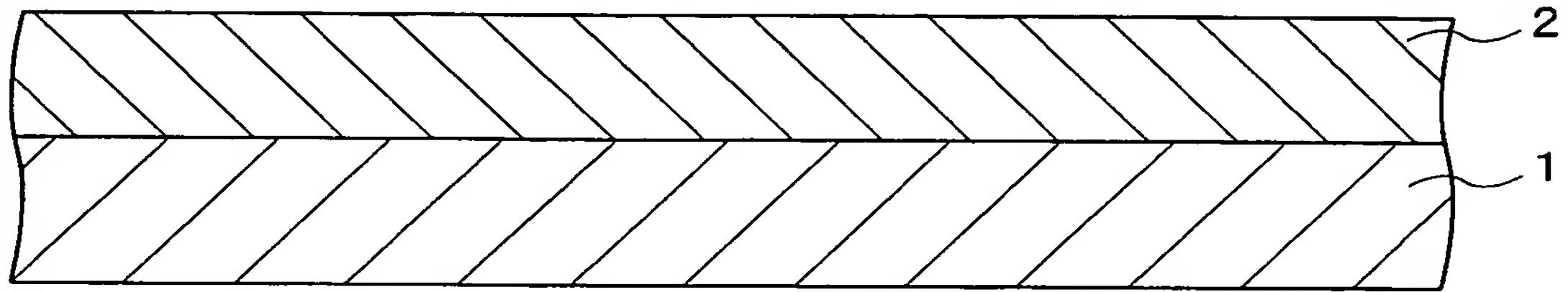


FIG. 10B

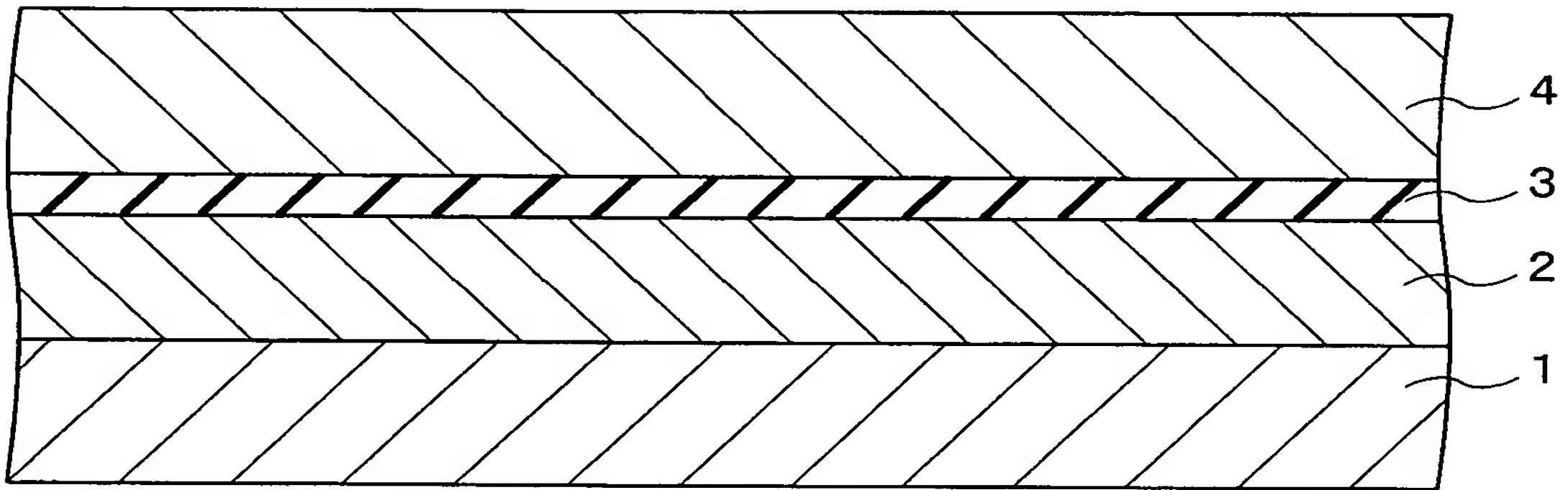


FIG. 10C

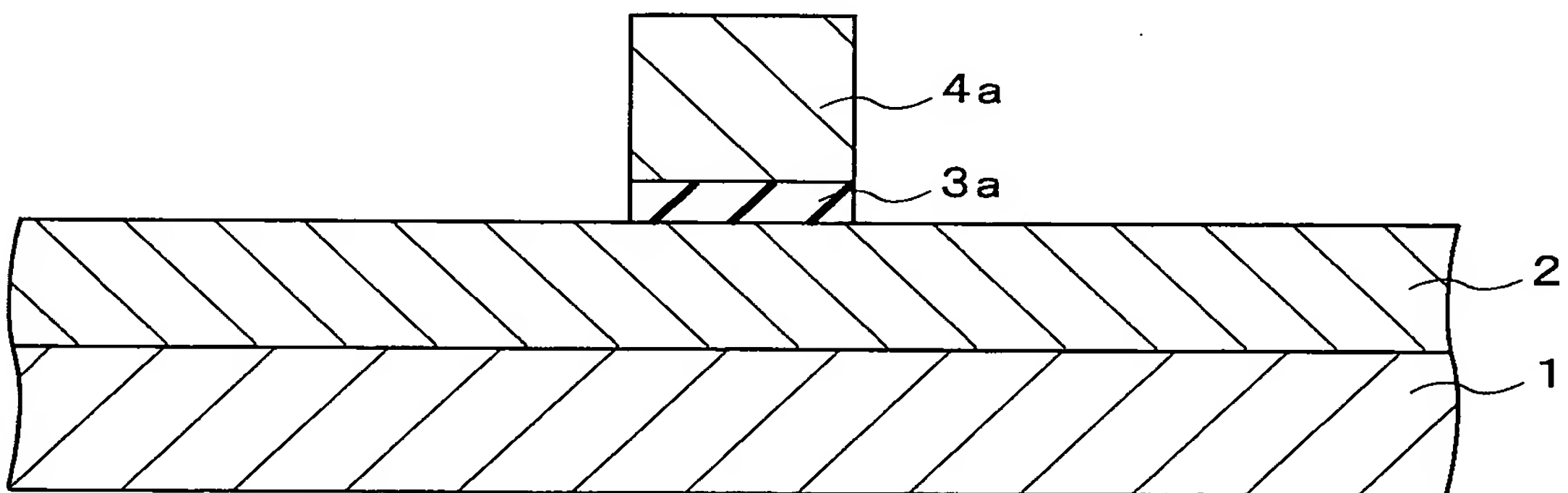


FIG. 11A

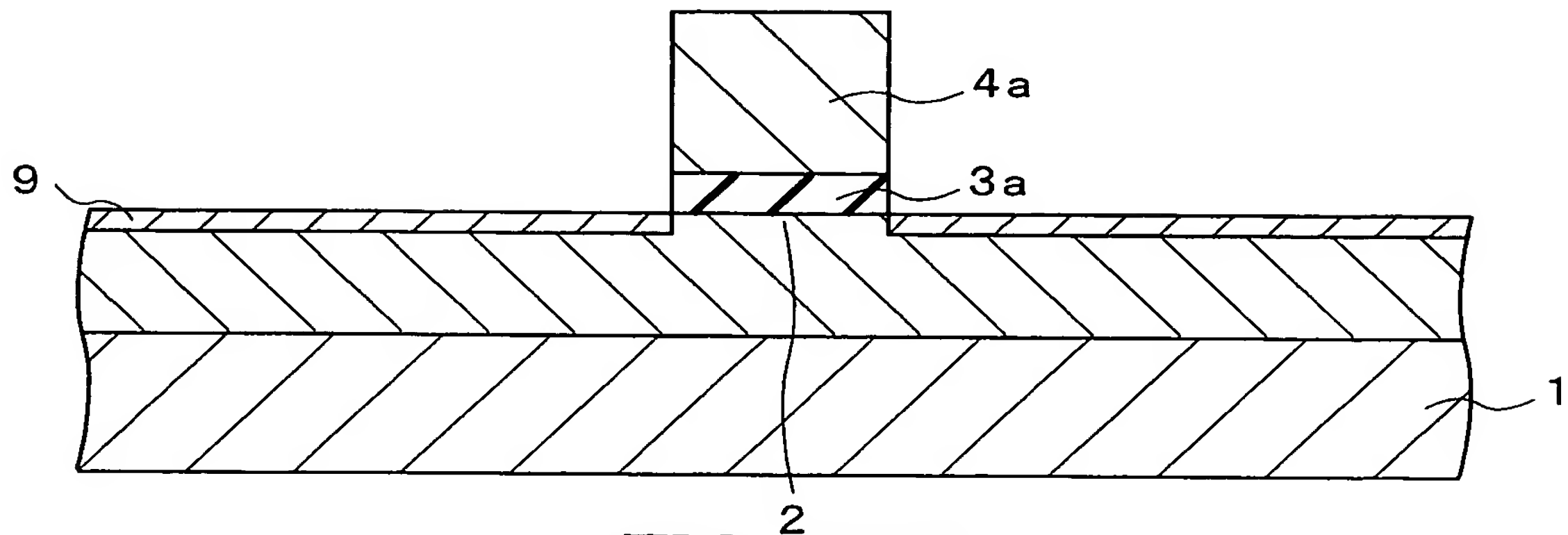


FIG. 11B

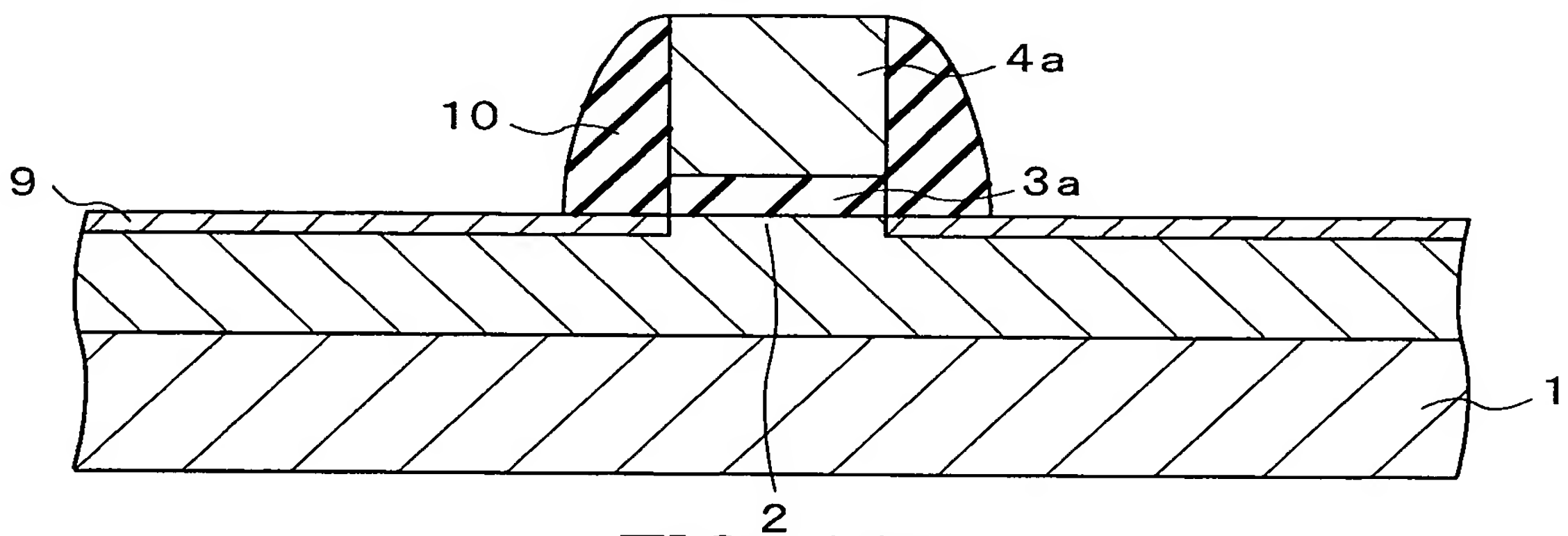


FIG. 11C

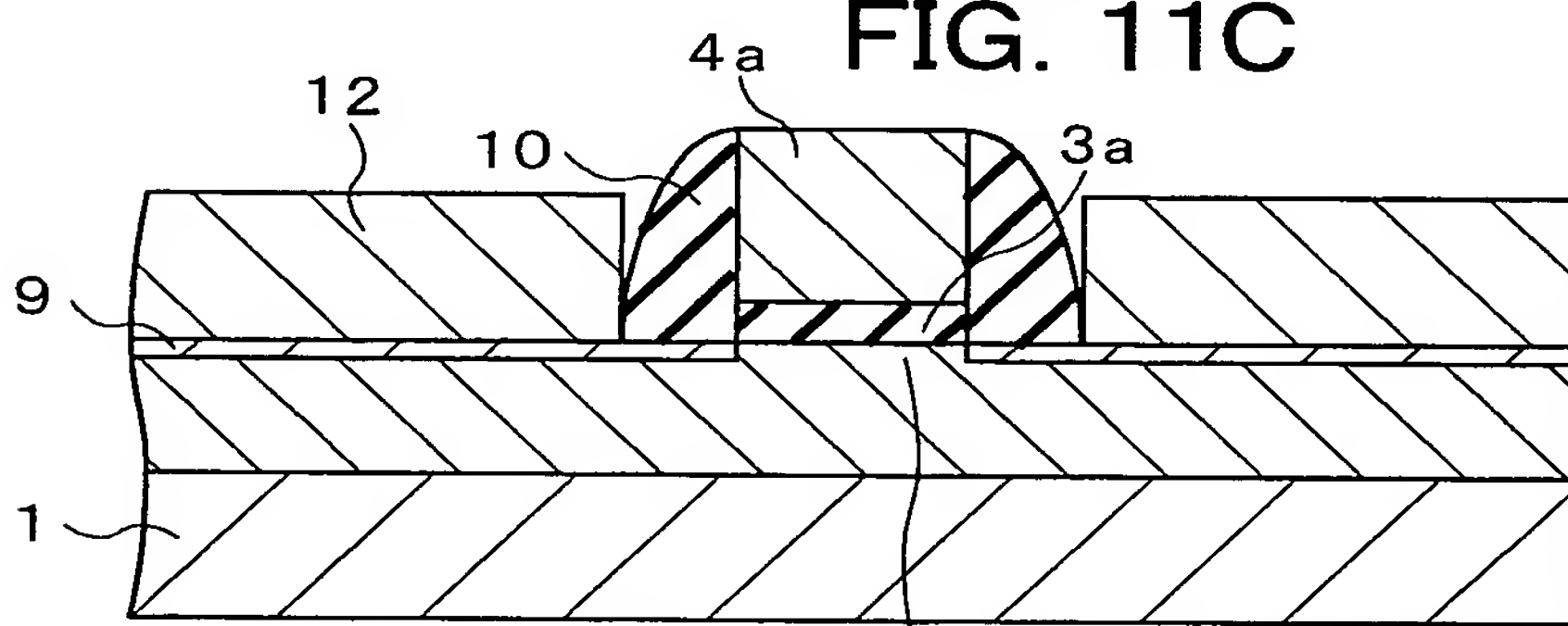


FIG. 11D

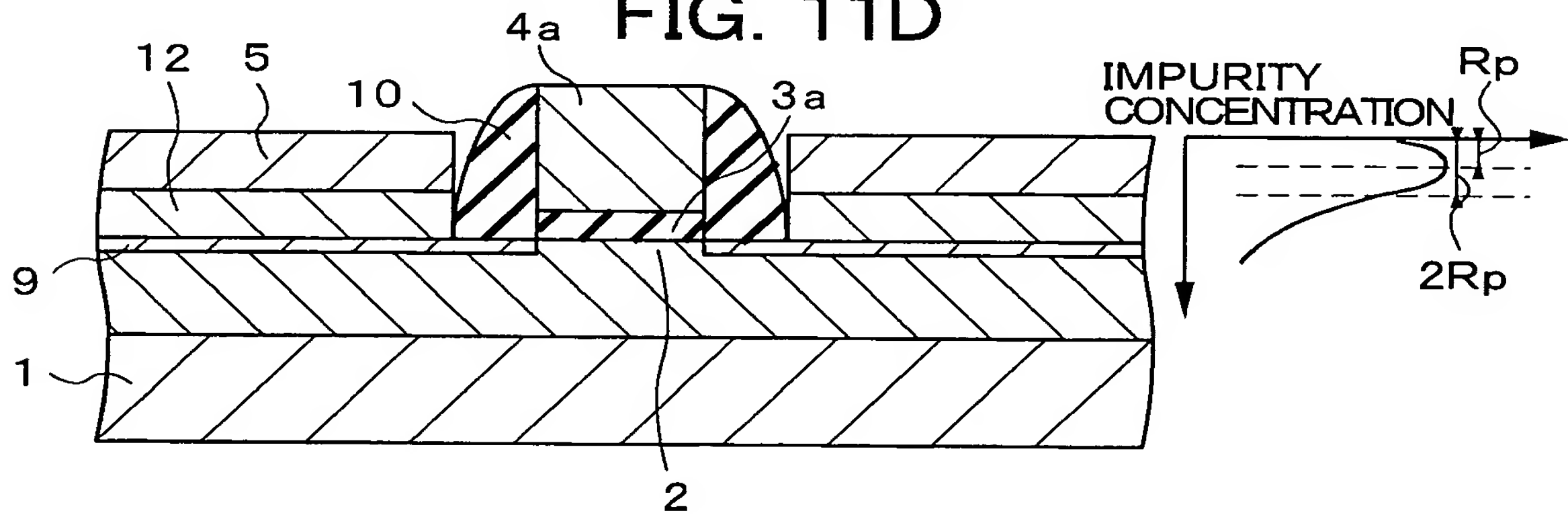


FIG. 12A

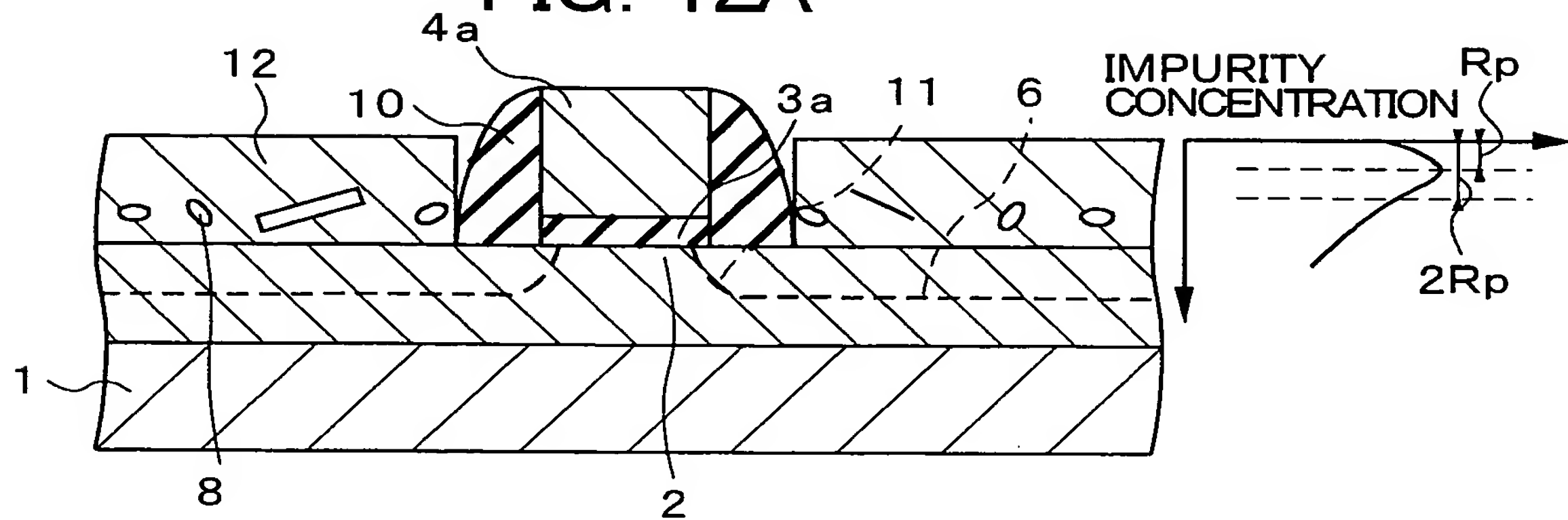


FIG. 12B

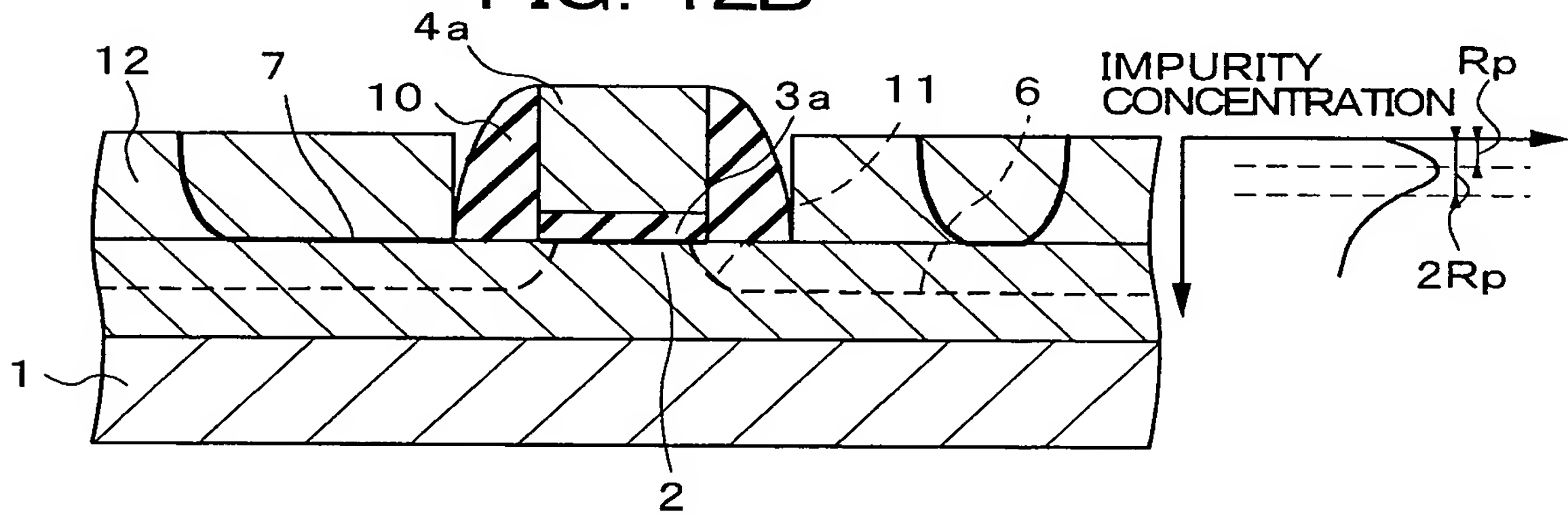


FIG. 13

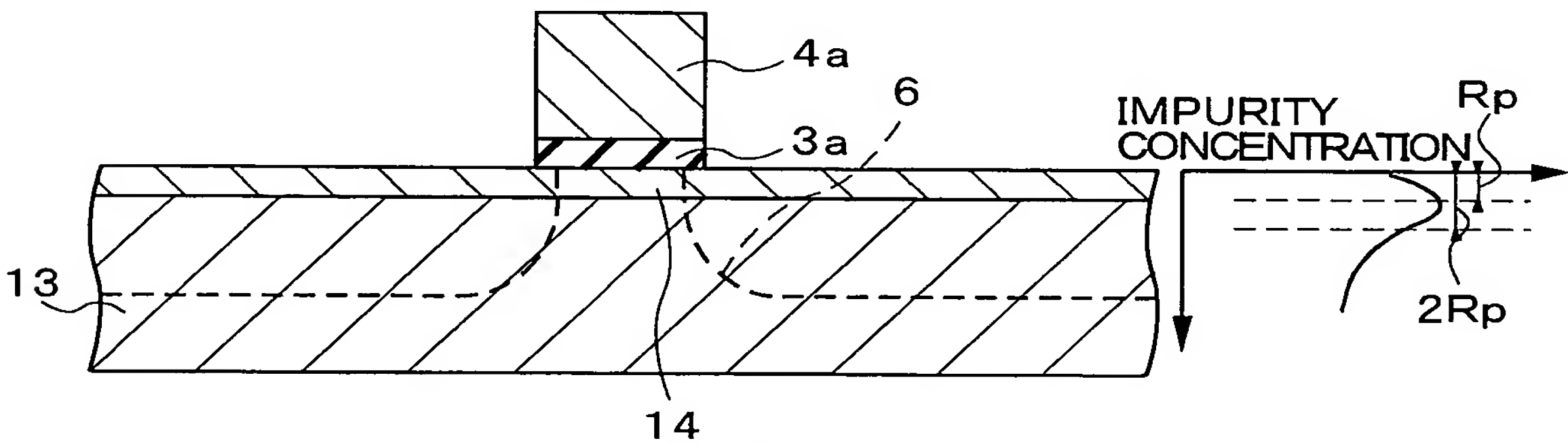


FIG. 14

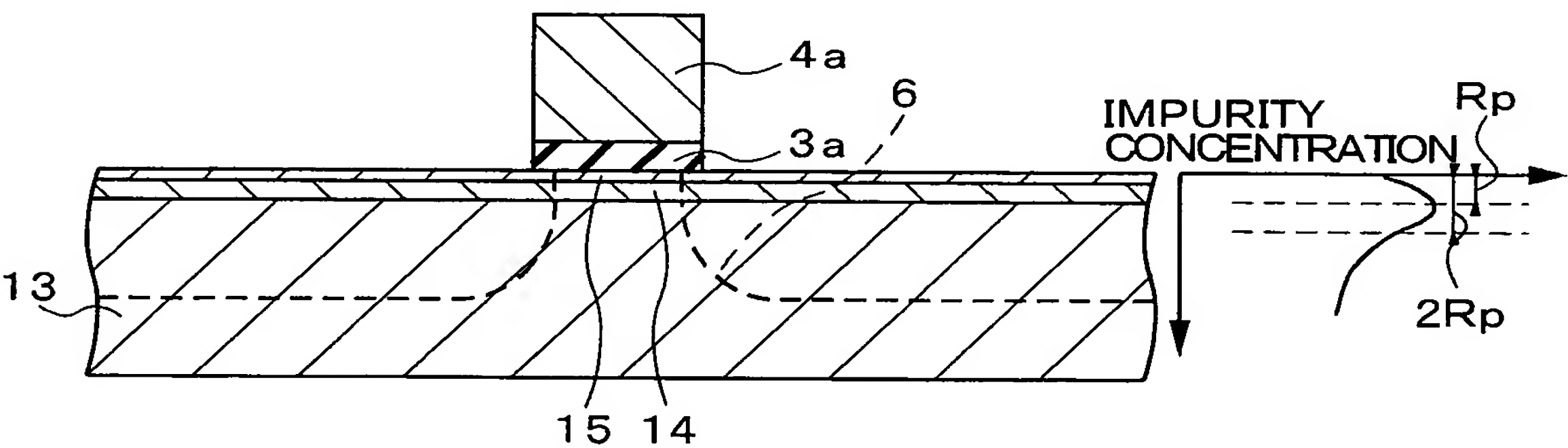


FIG. 15

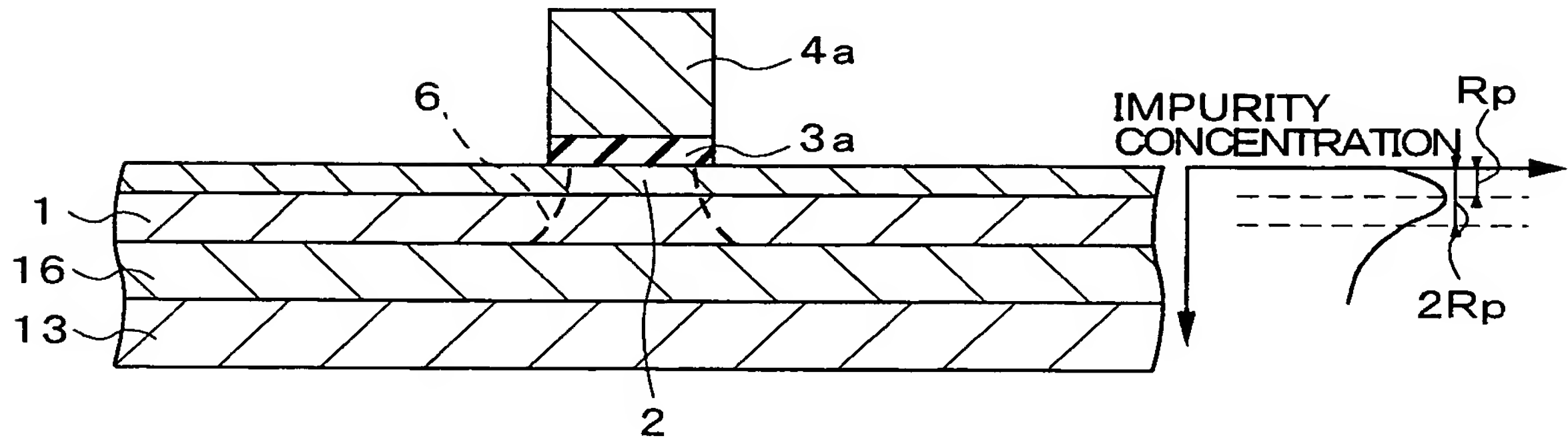


FIG. 16

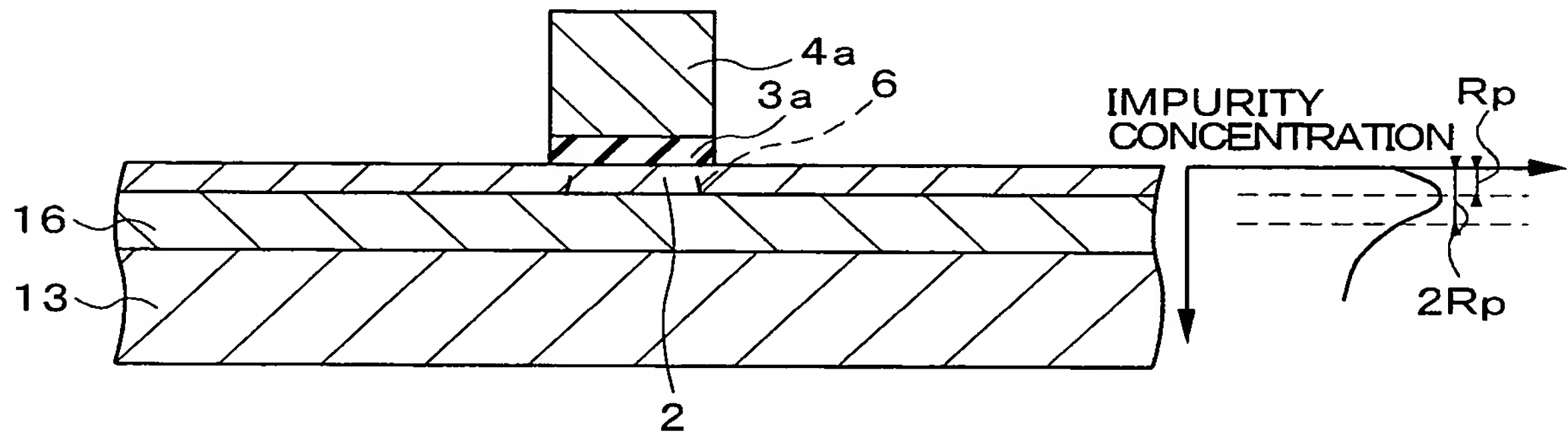


FIG. 17

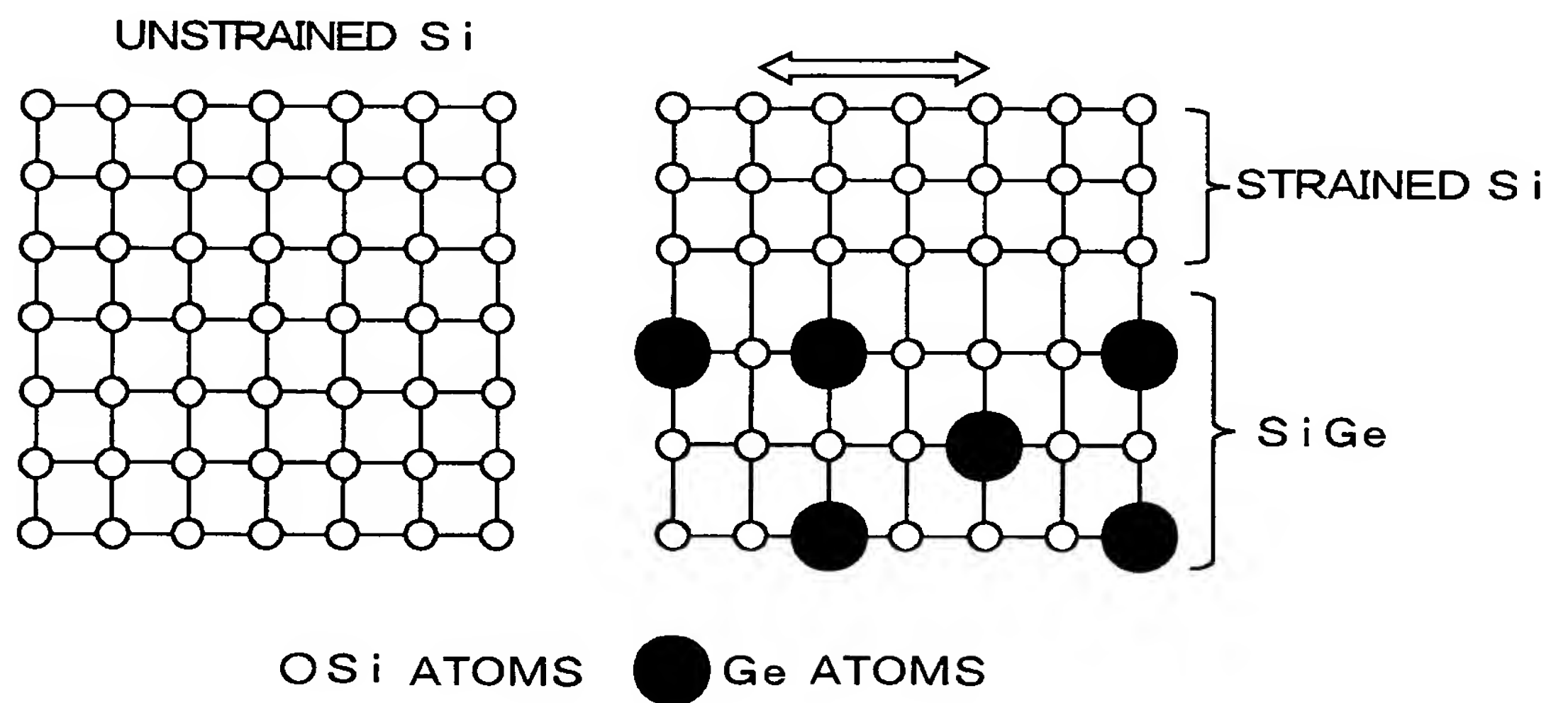


FIG. 18A

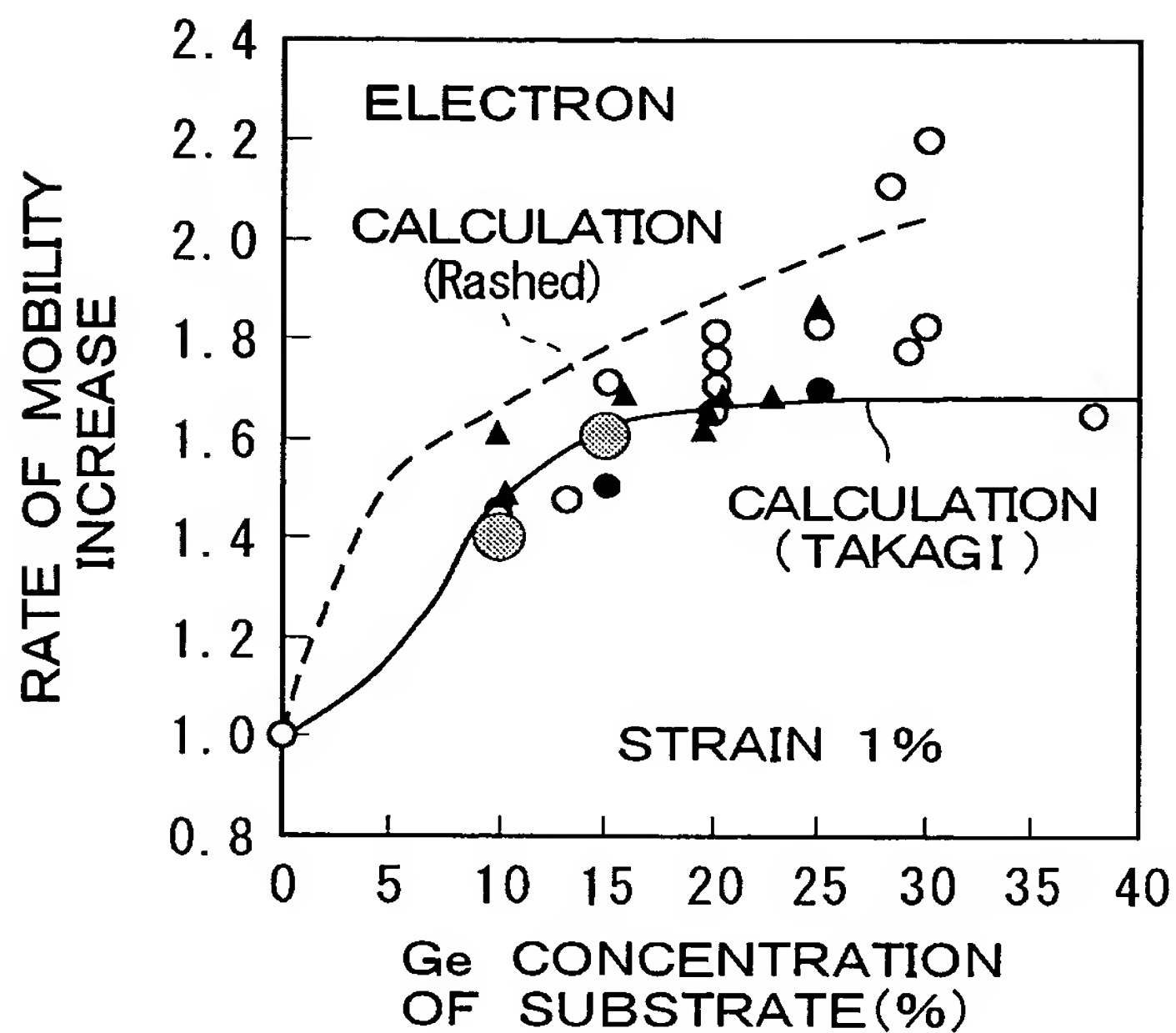


FIG. 18B

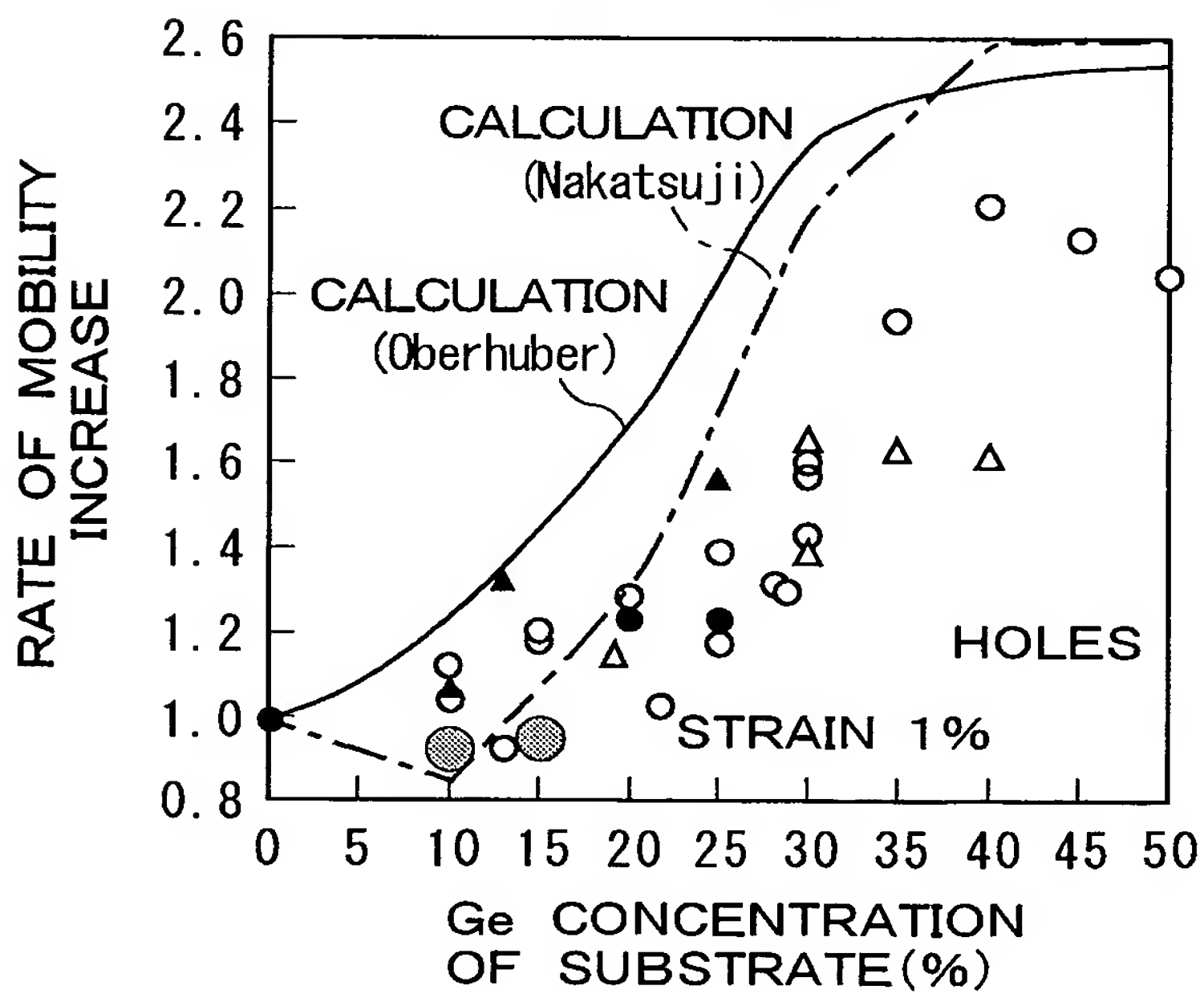


FIG. 19A

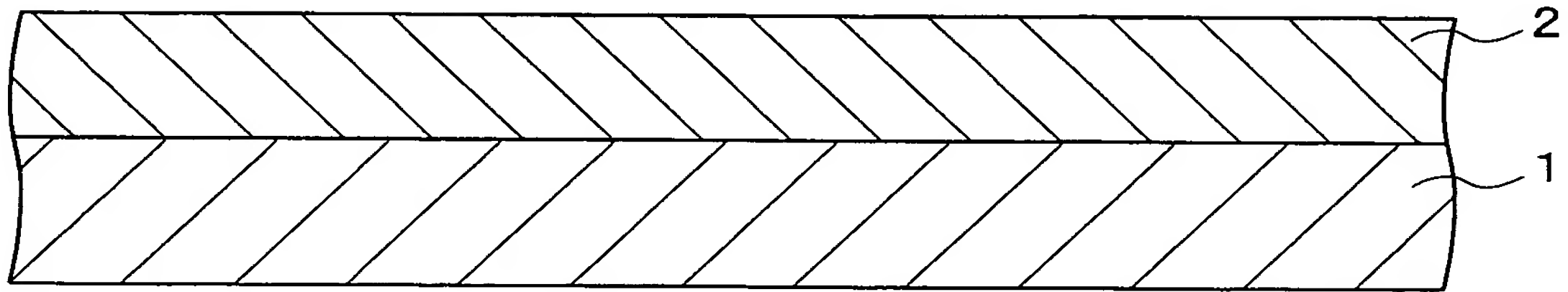


FIG. 19B

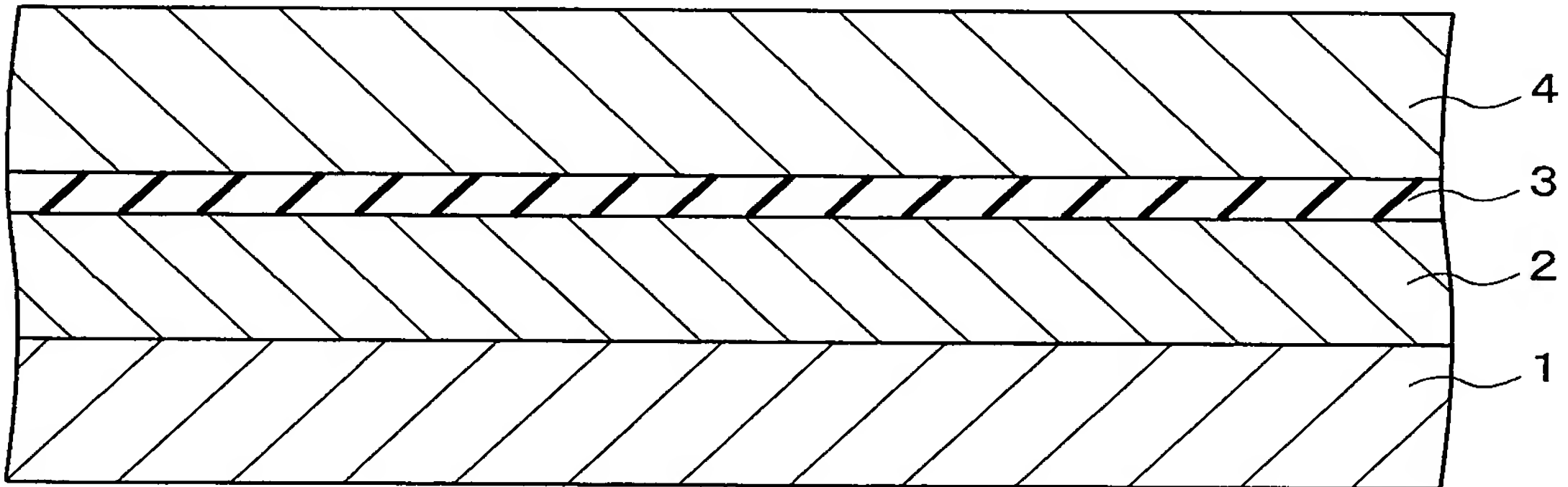


FIG. 19C

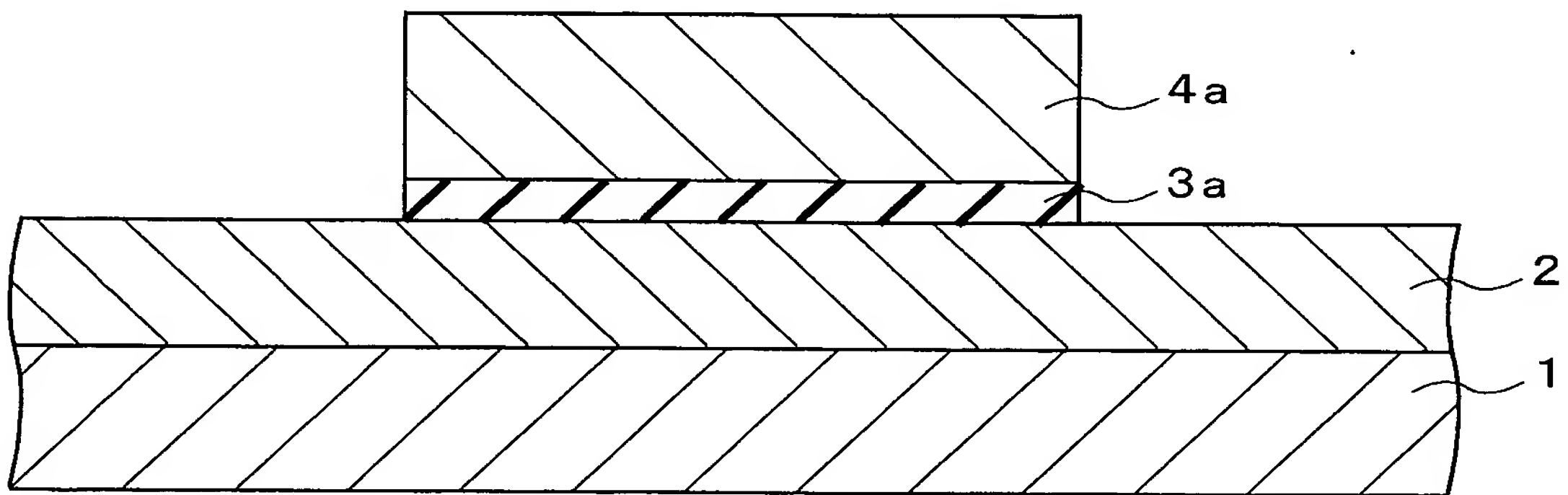


FIG. 20A

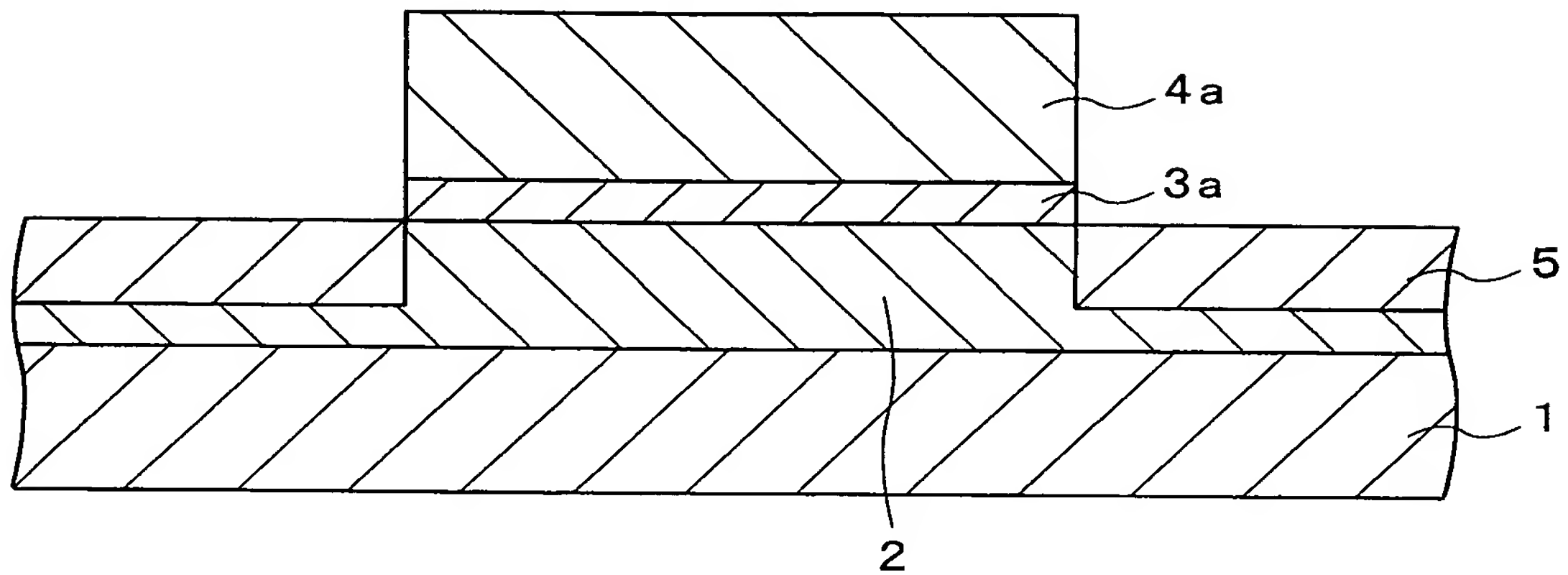


FIG. 20B

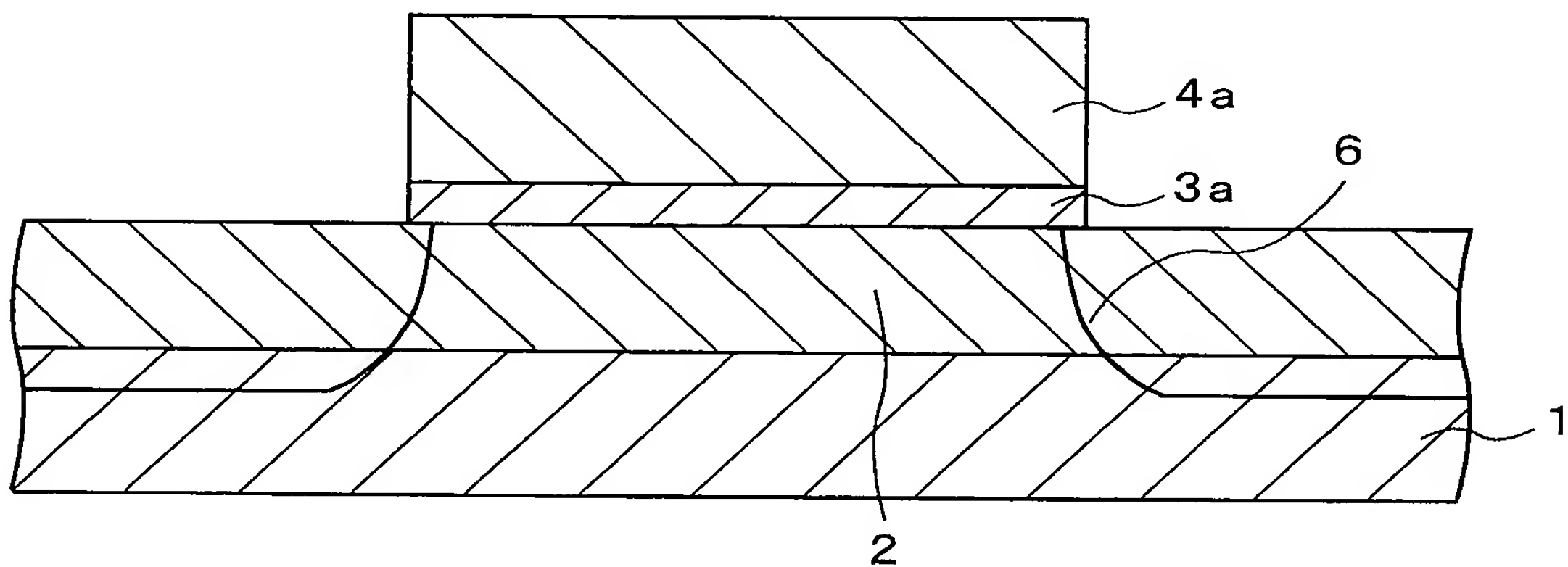


FIG. 21

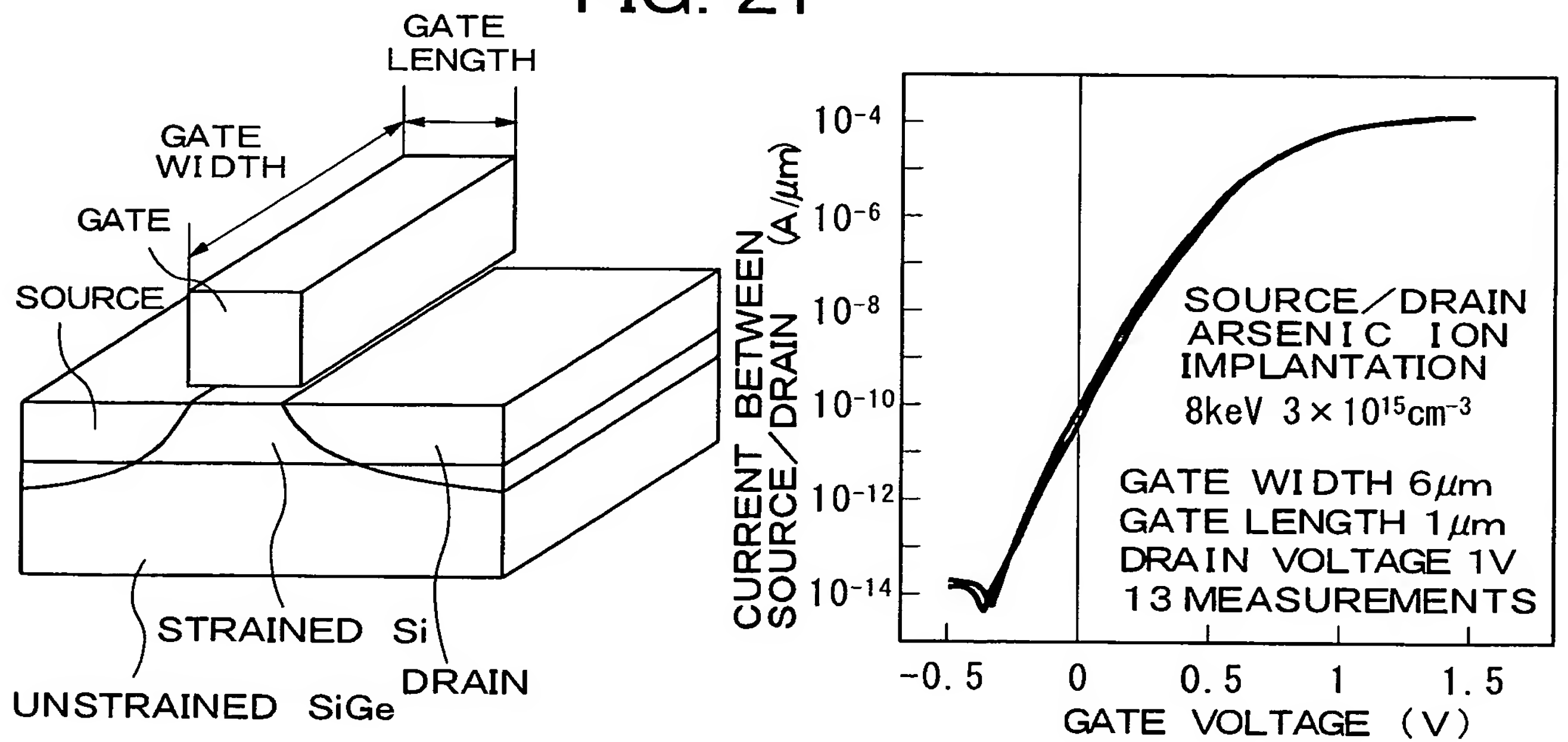


FIG. 22A

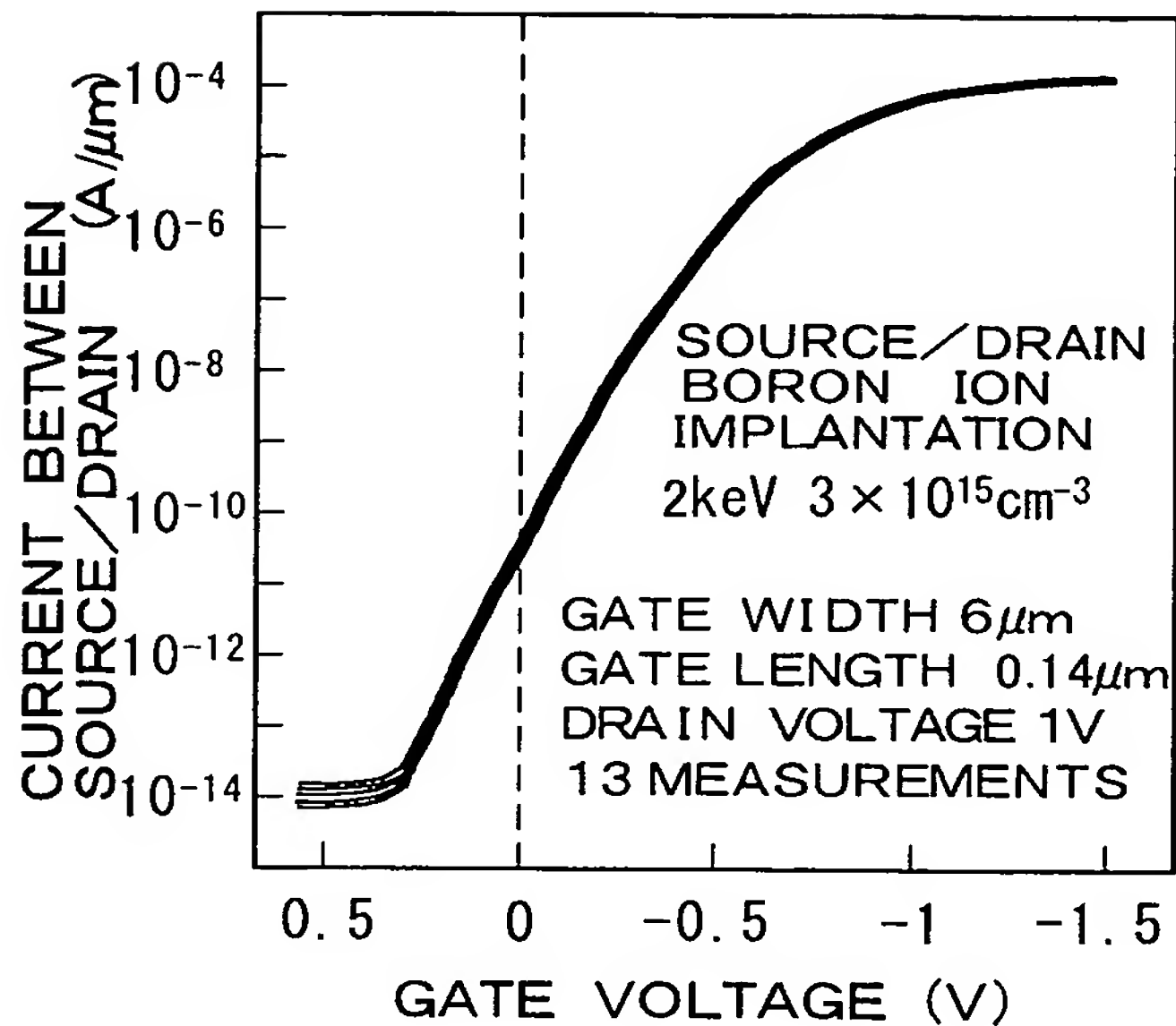


FIG. 22B

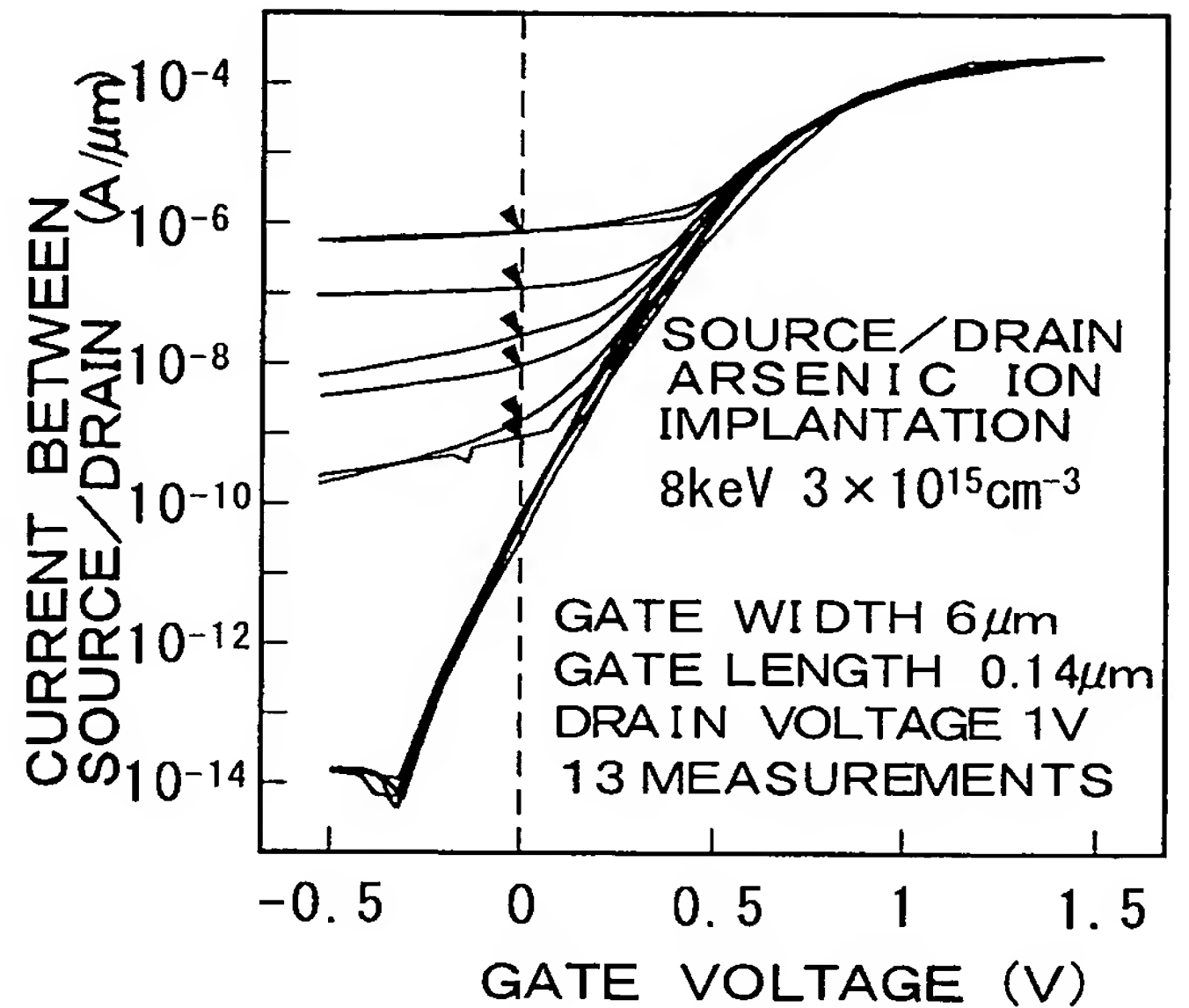
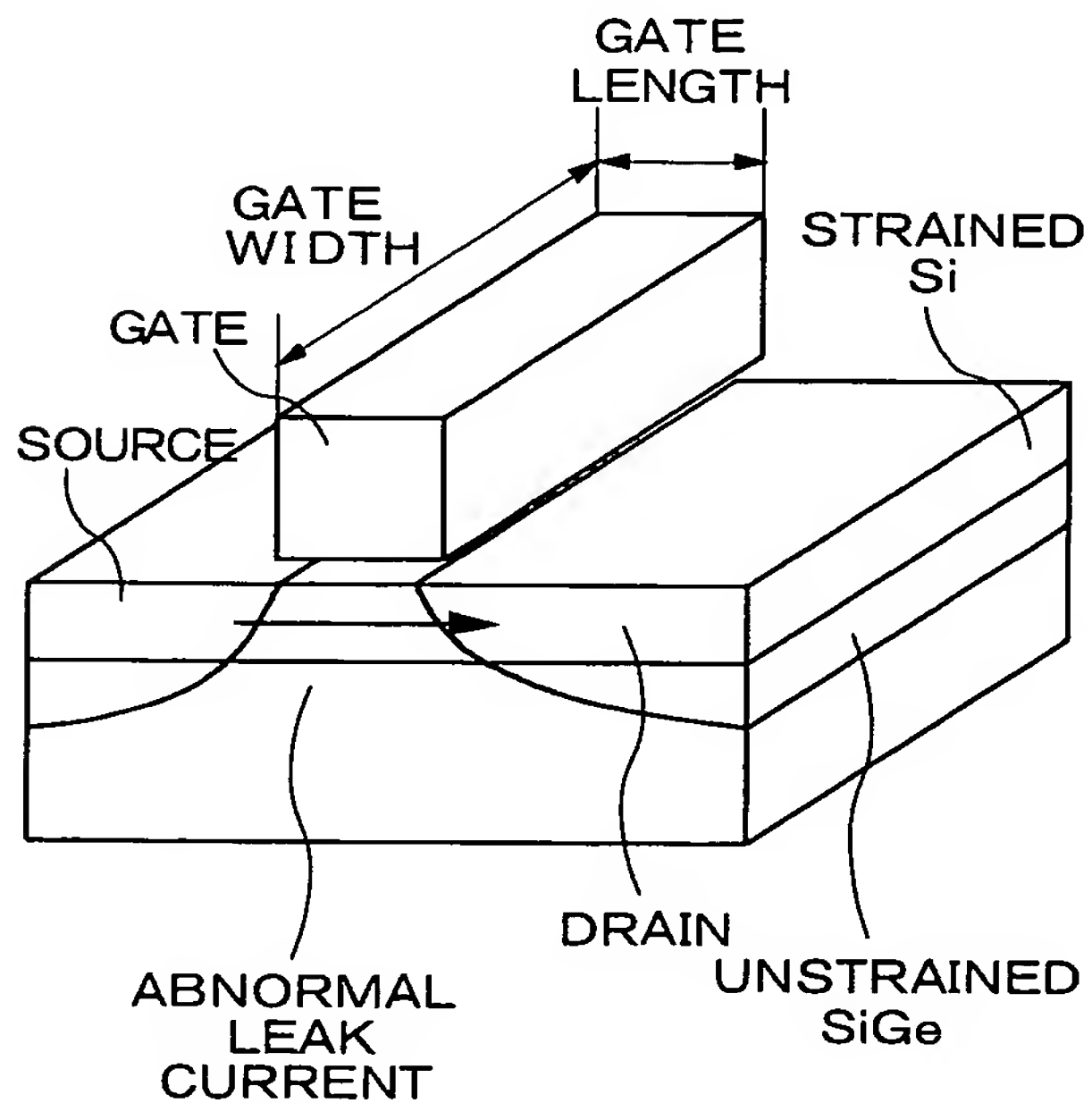
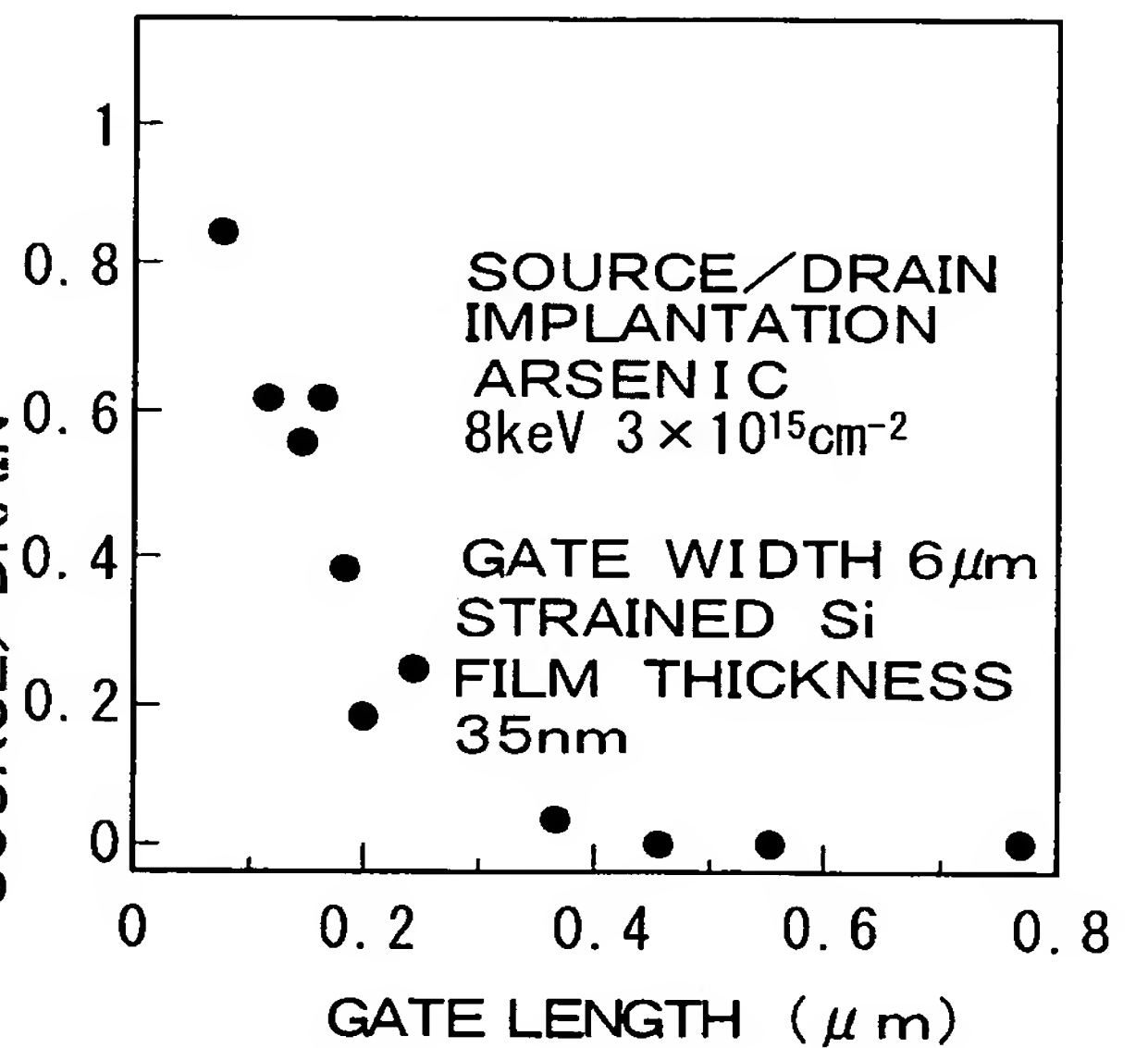


FIG. 23



INCIDENCE RATIO OF
ABNORMAL OFF-LEAKAGE
CURRENT BETWEEN
SOURCE/DRAIN



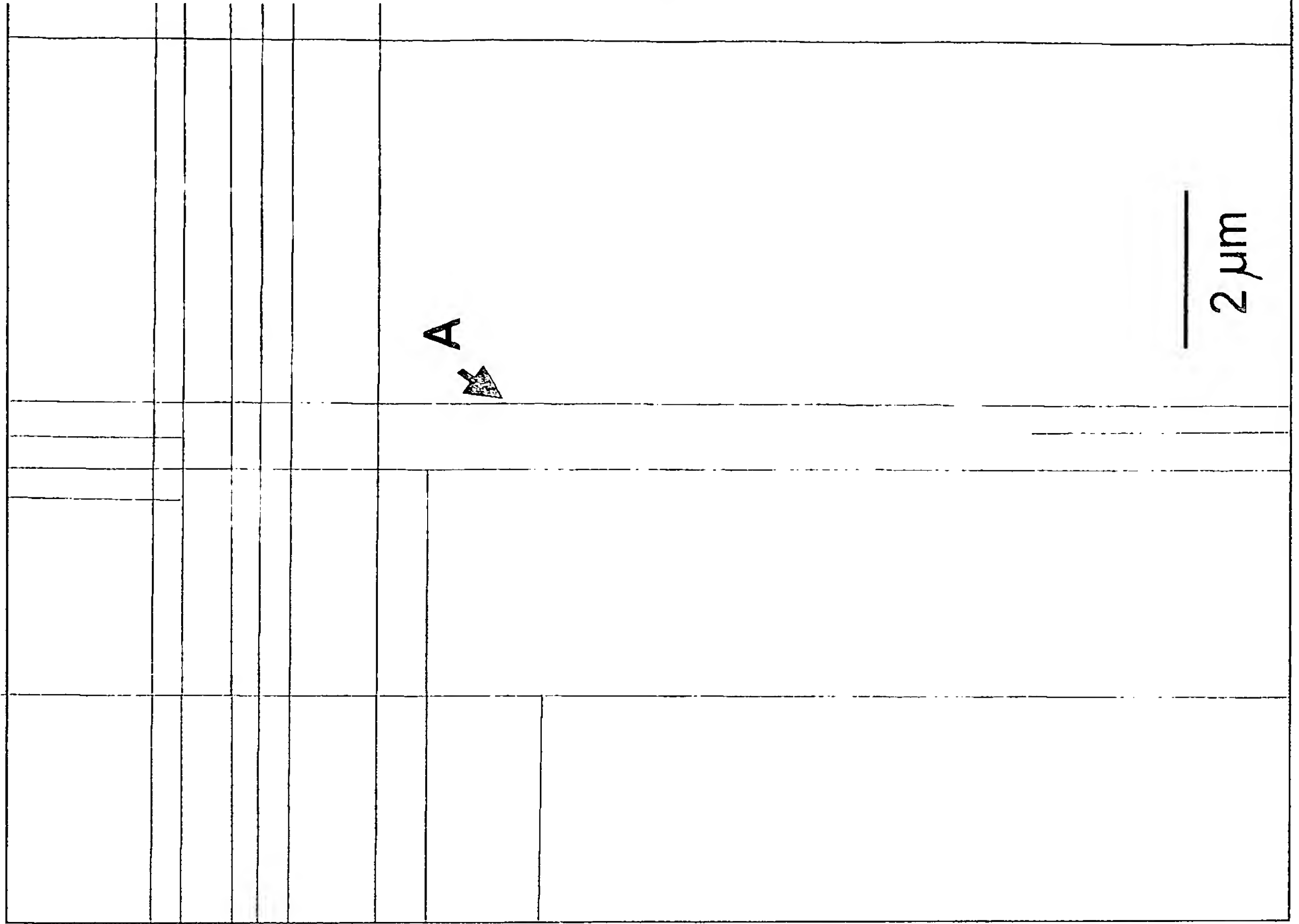
TRANSISTOR

Inventor(s): Kazuya UEJIMA

DOCKET NO.: 065686-0163

FIG. 24

(a)' PLANAR TEM IMAGE

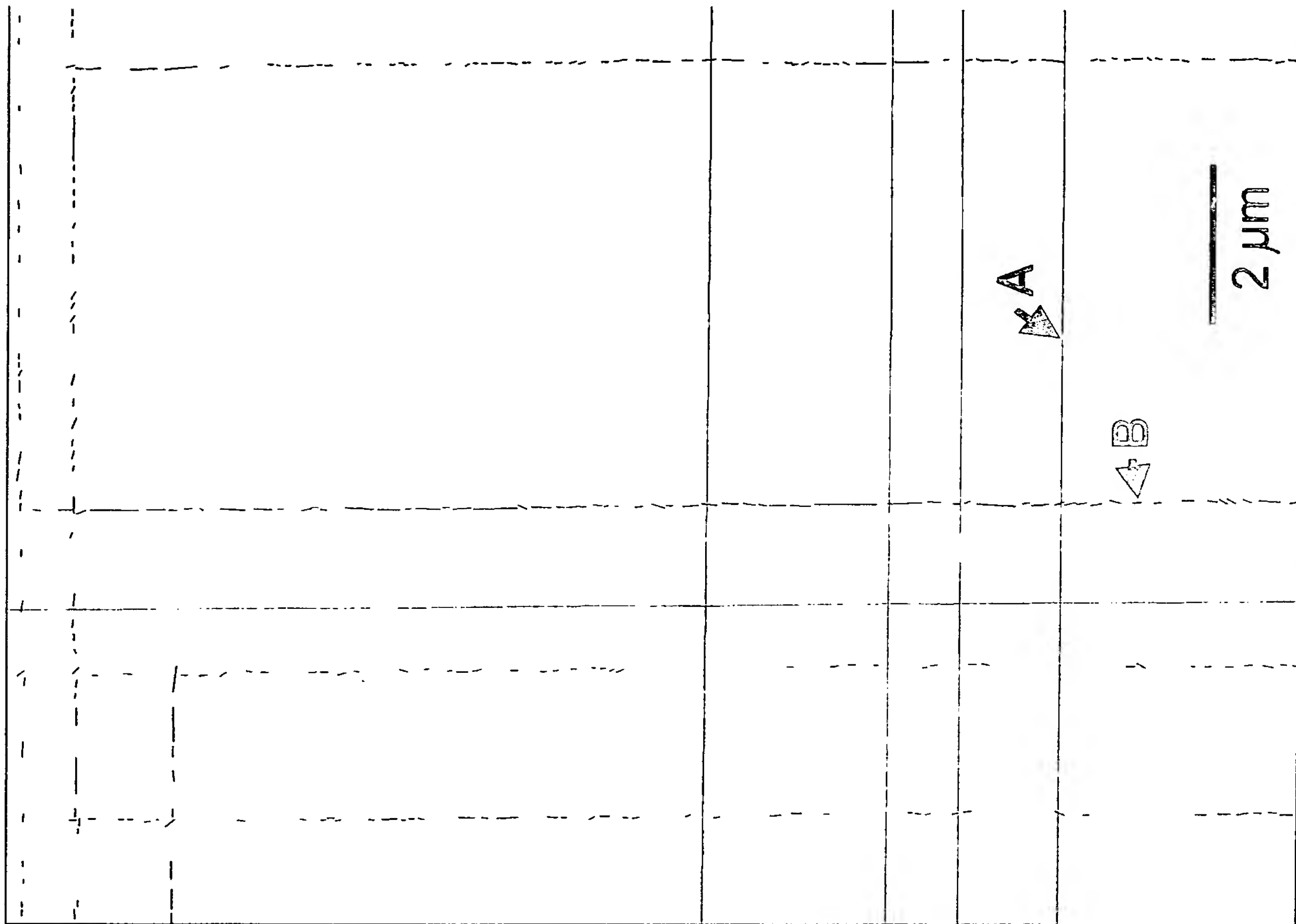


(a) PLANAR TEM IMAGE



FIG. 24 CONTINUE

(b)' PLANAR TEM IMAGE



(b) PLANAR TEM IMAGE

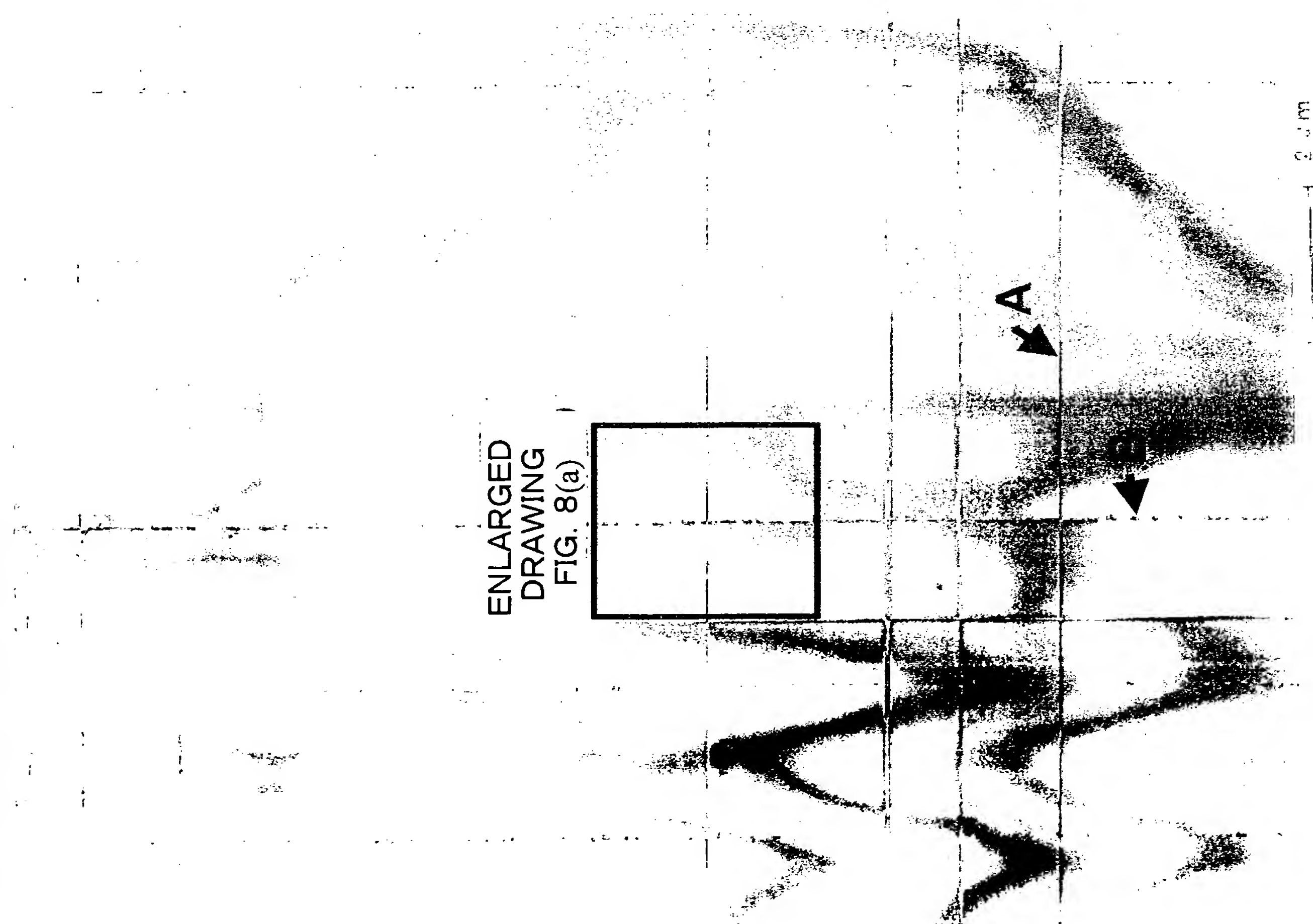


FIG. 25

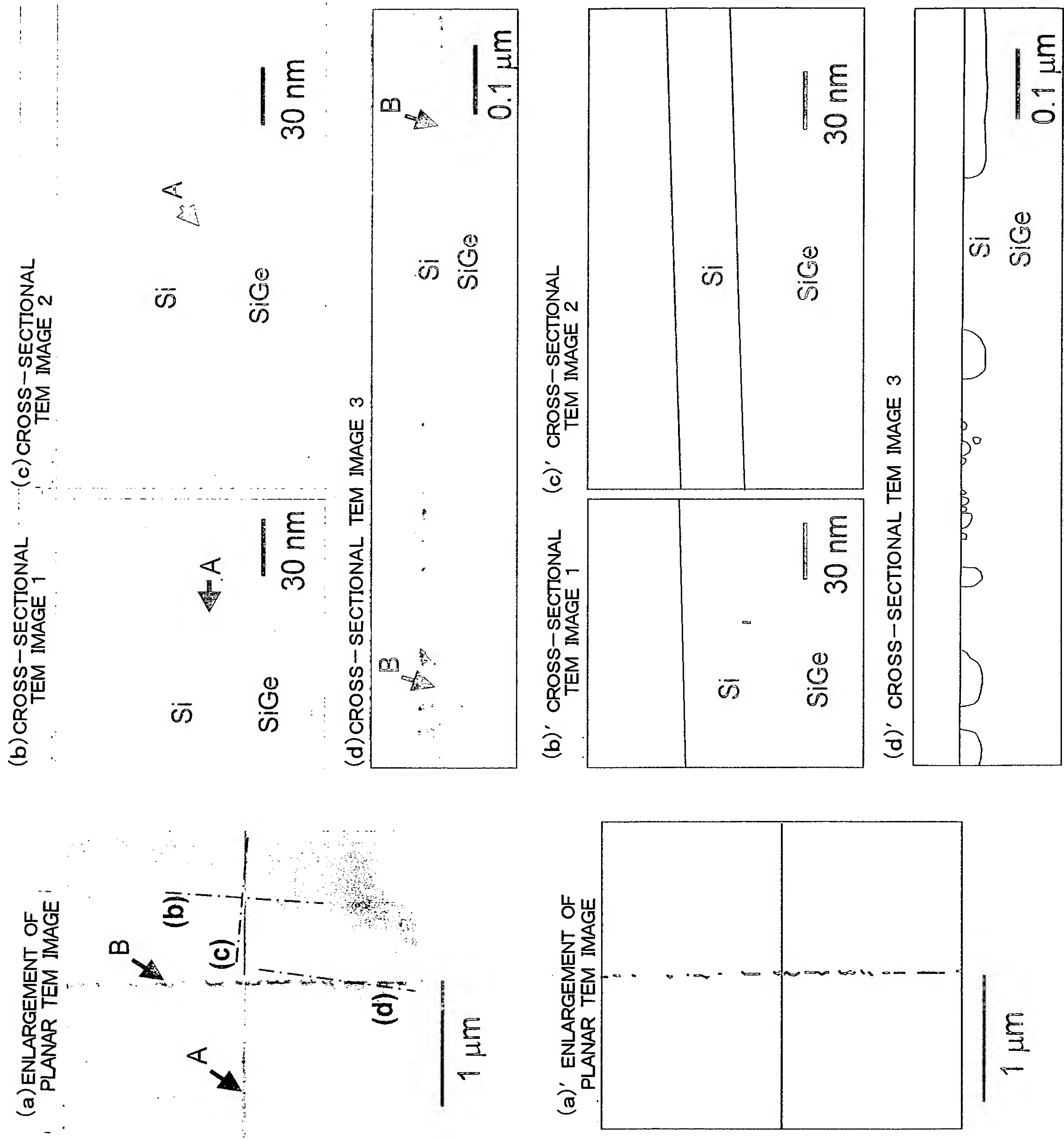
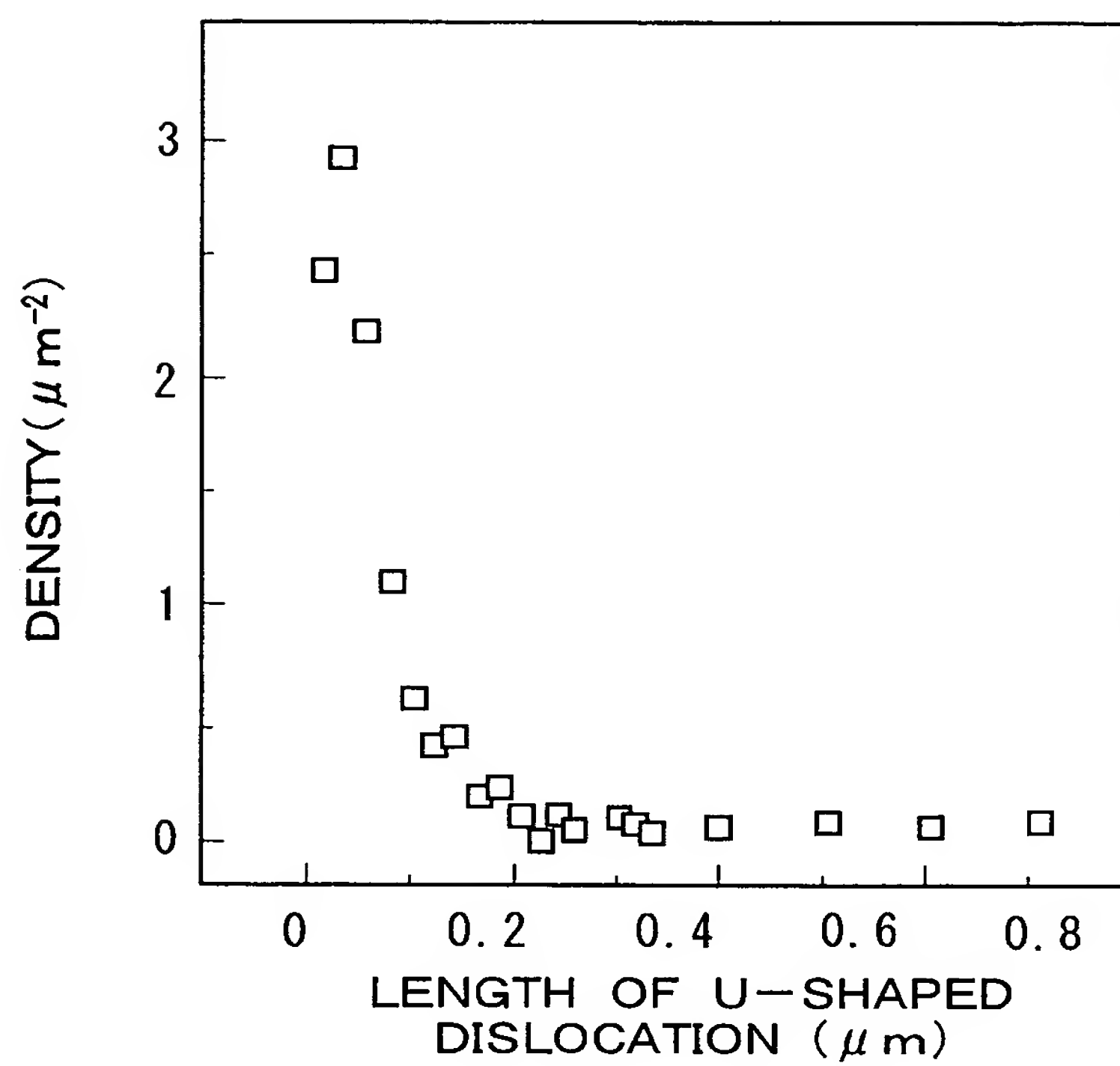


FIG. 26



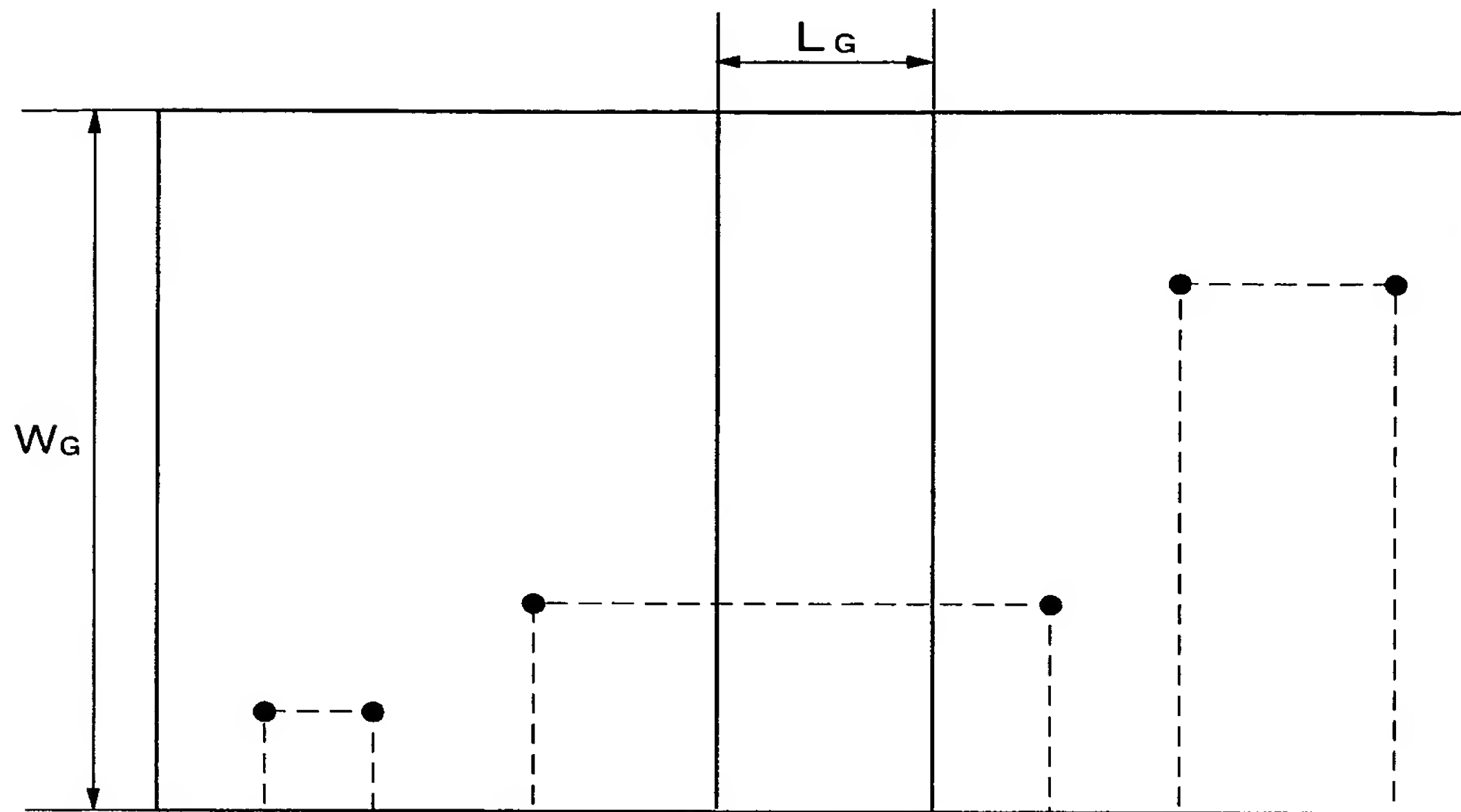


FIG. 27A

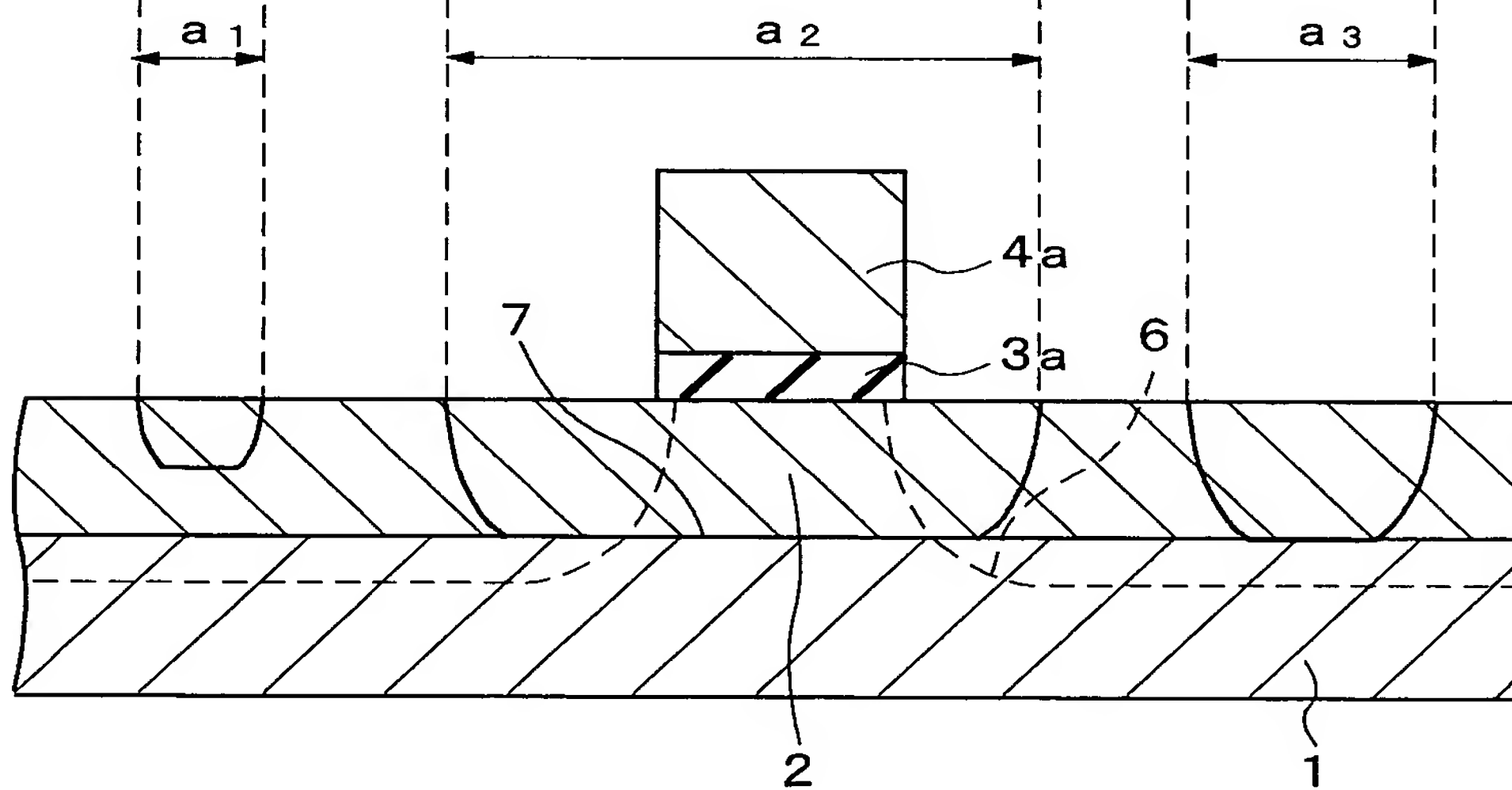


FIG. 27B

FIG. 28

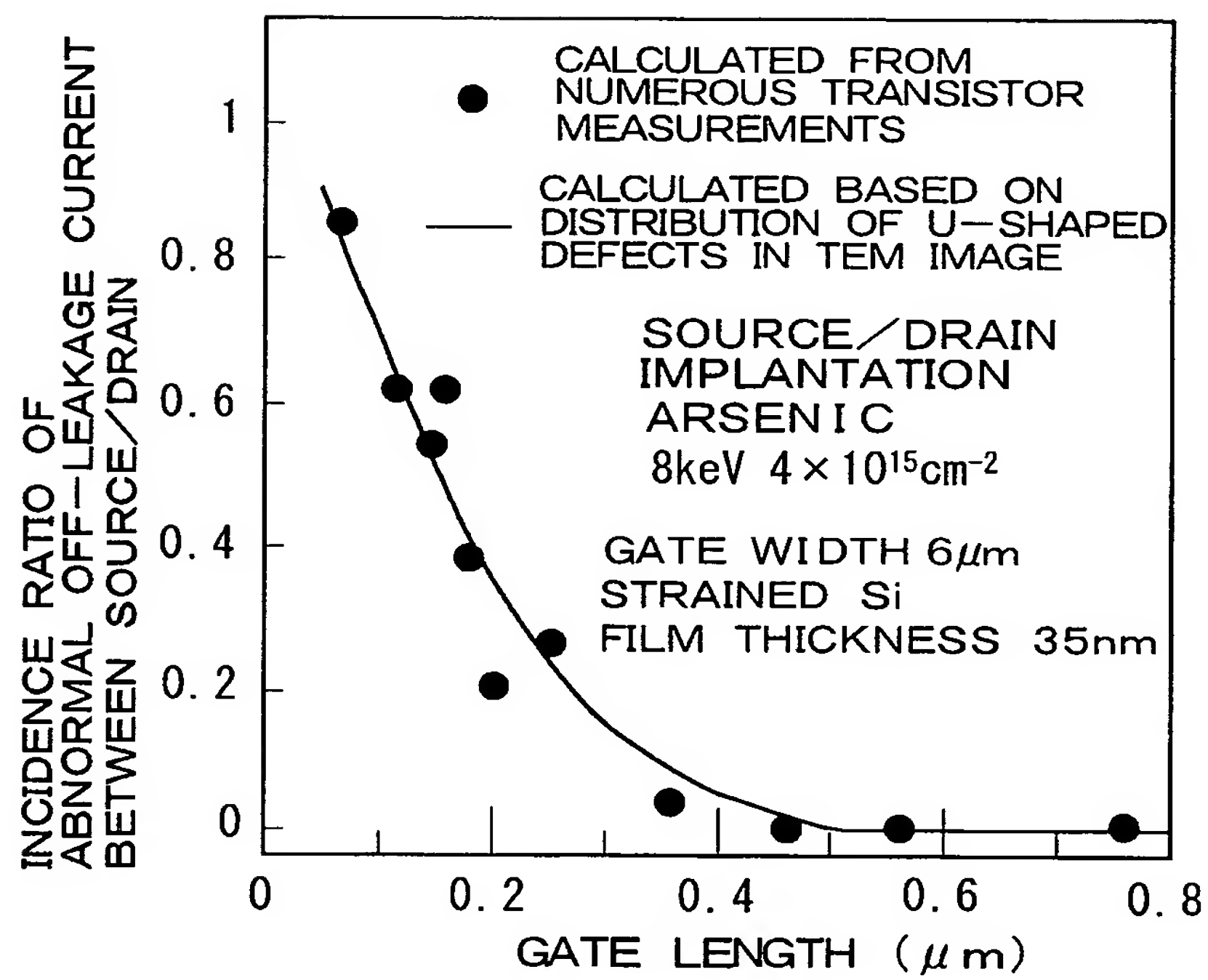
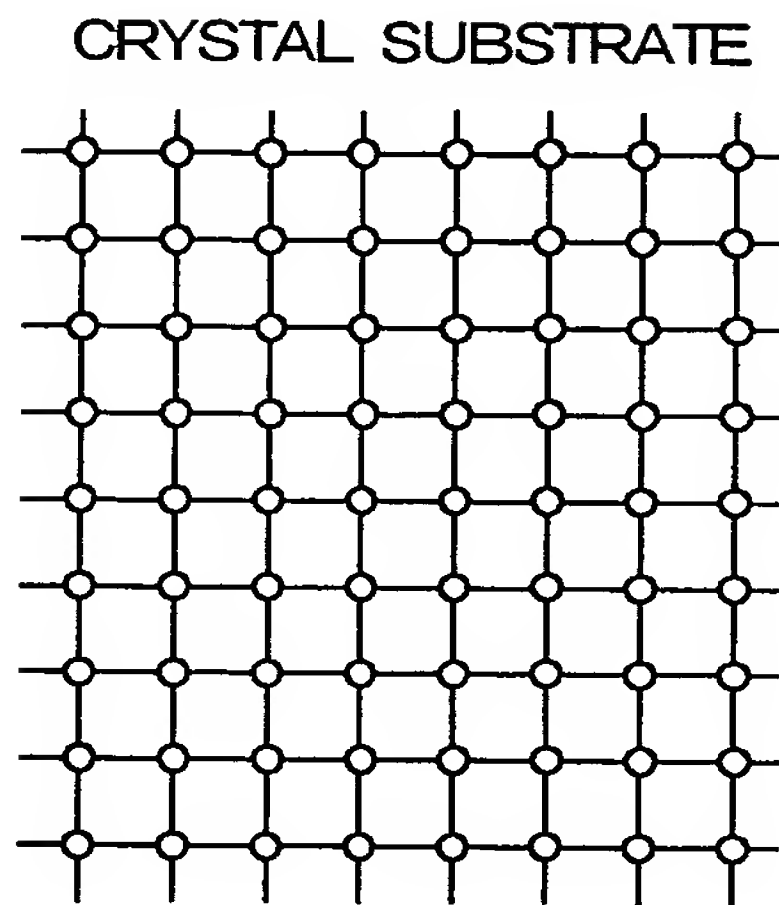


FIG. 29A



ION
IMPLANTATION



HEAT
TREATMENT



FIG. 29C

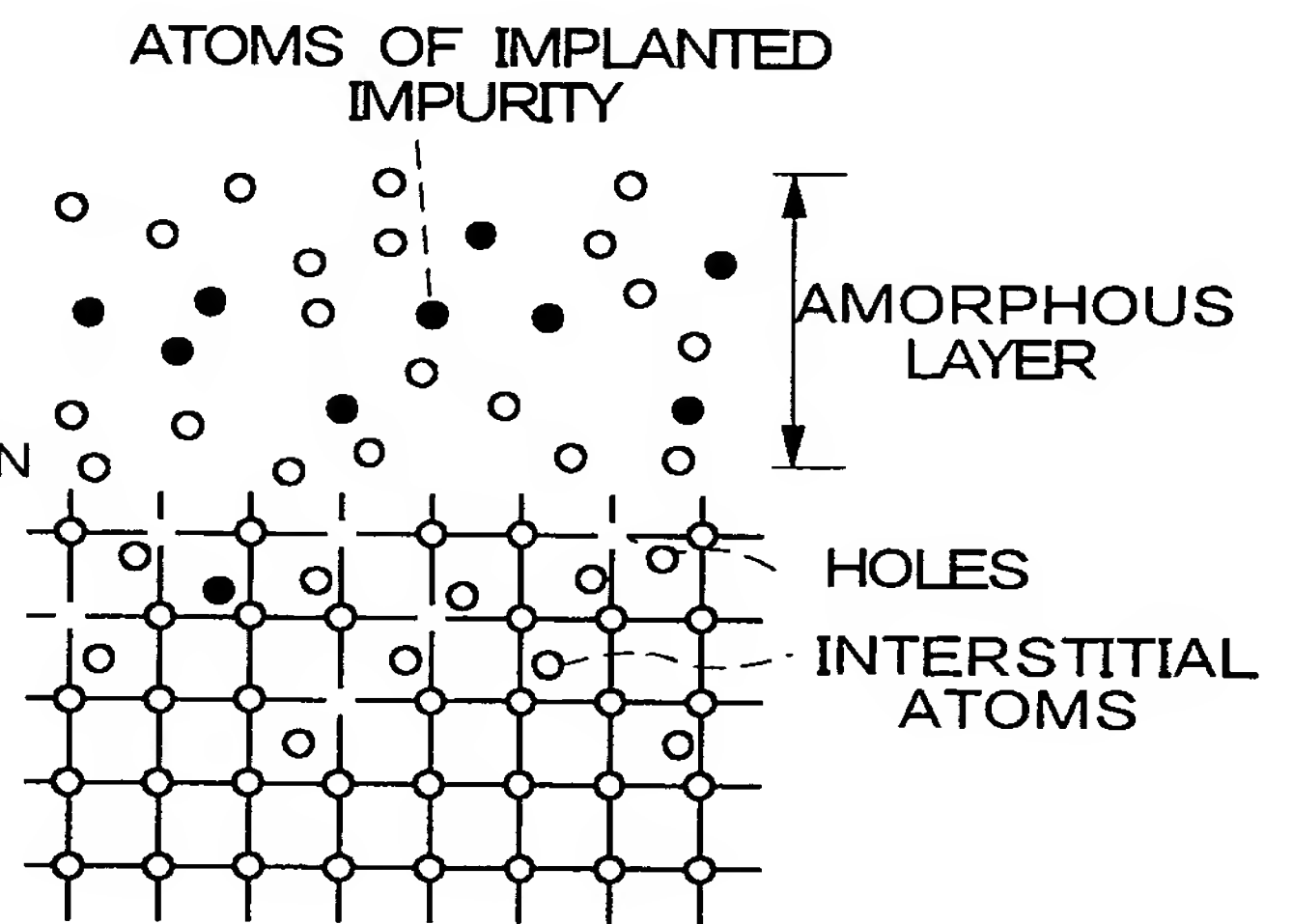


FIG. 29B

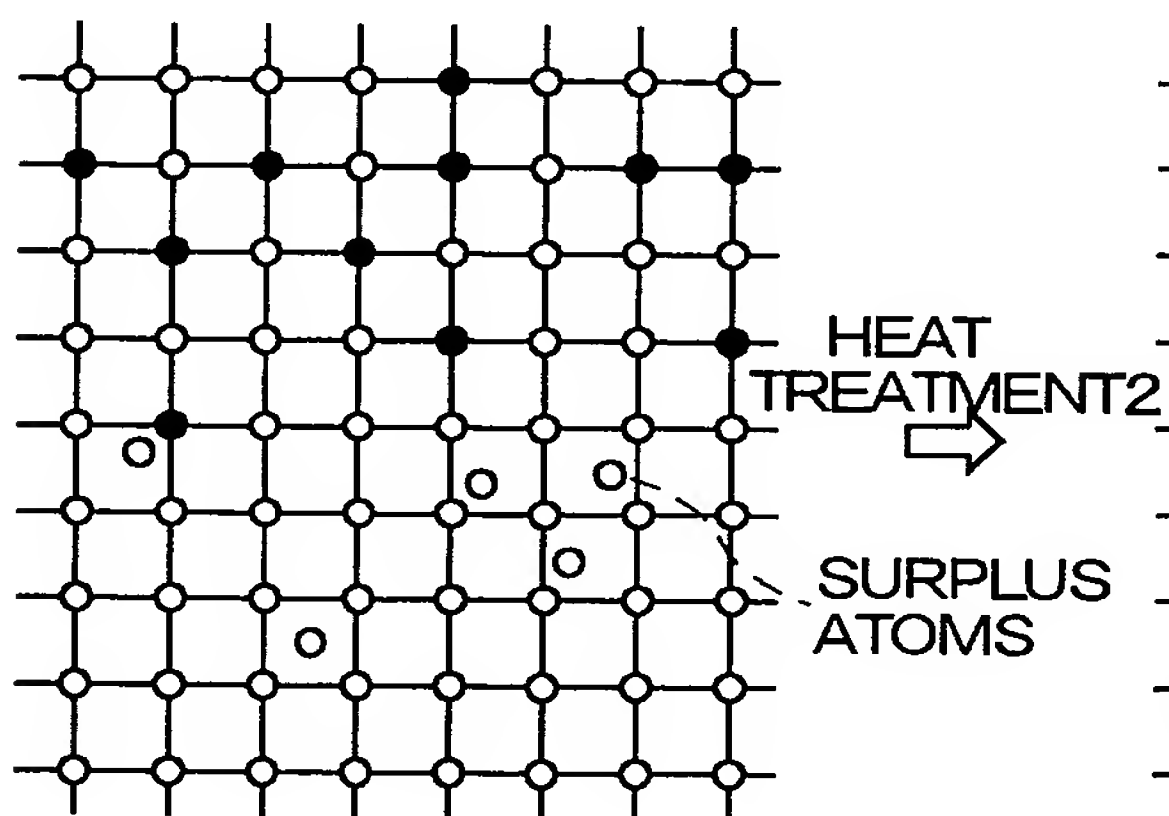


FIG. 29D

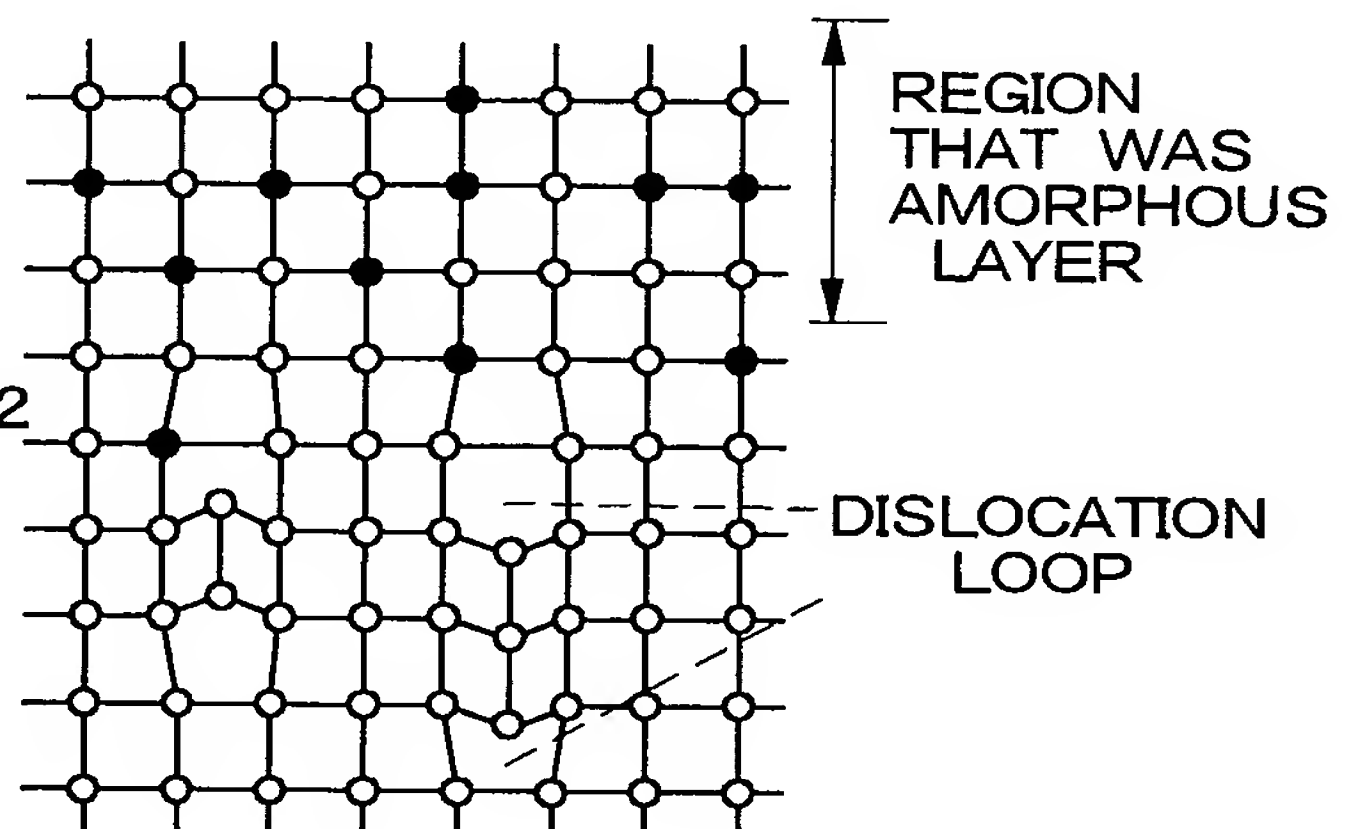


FIG. 30A

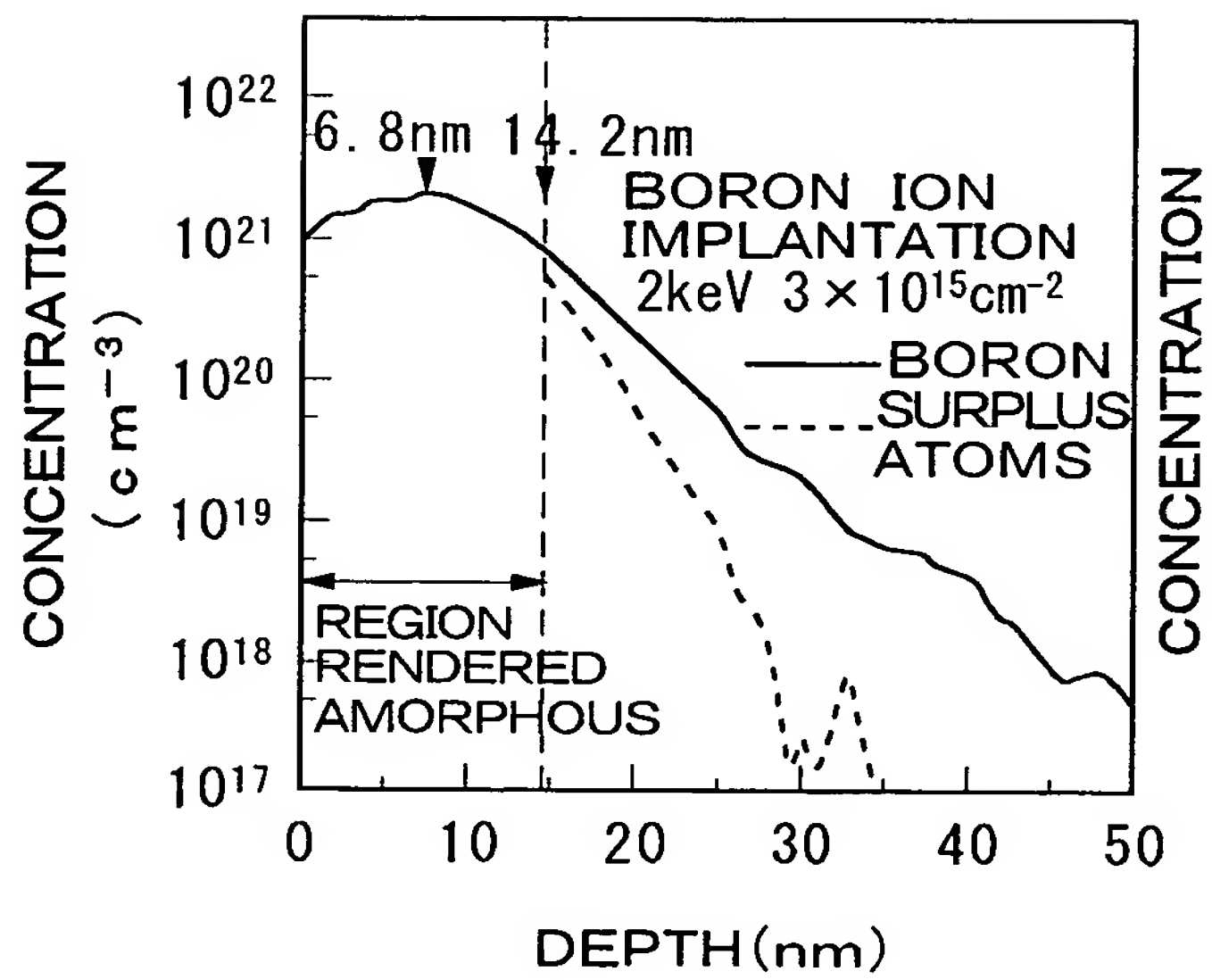


FIG. 30B

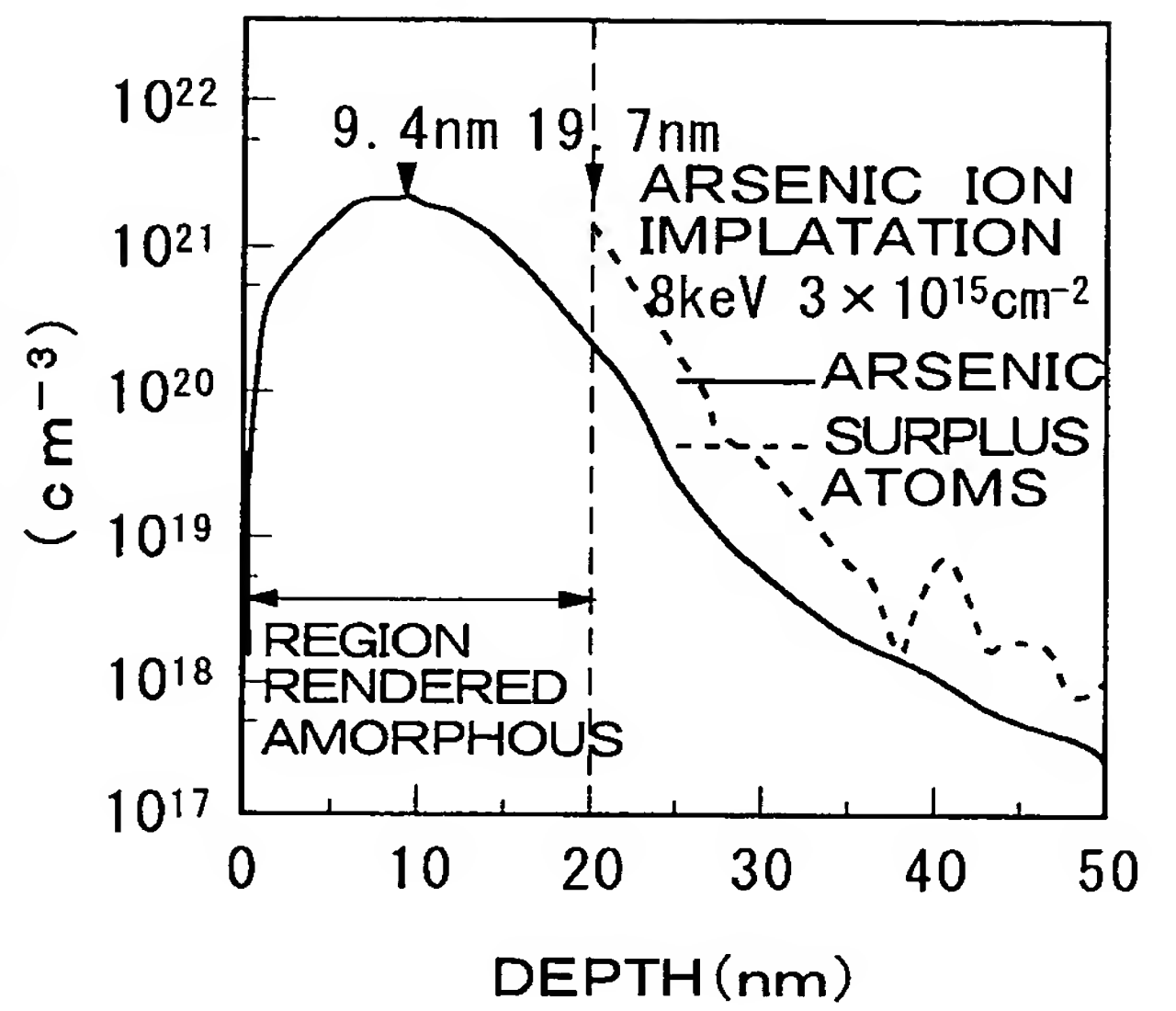


FIG. 31

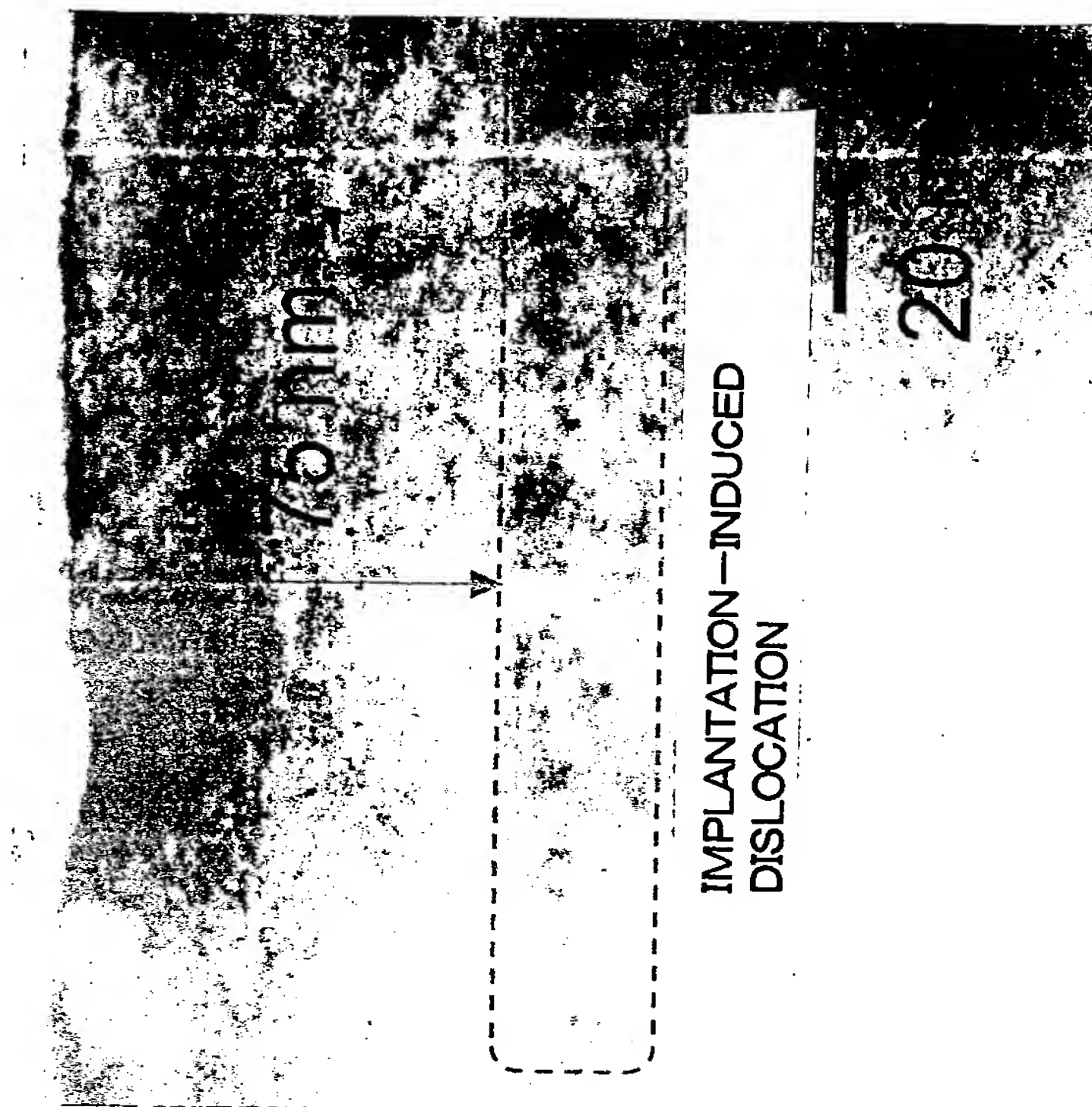
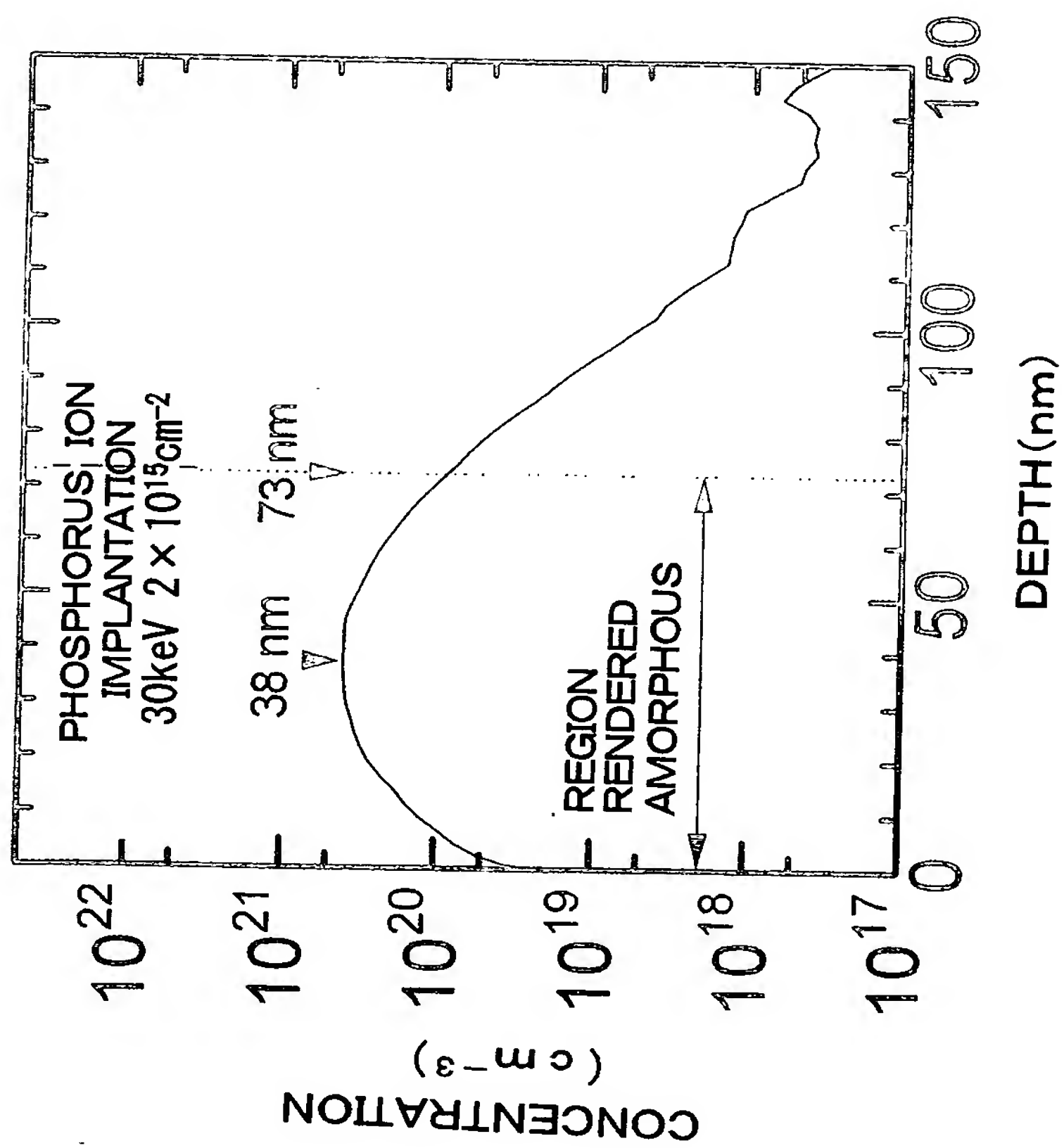


FIG. 32A

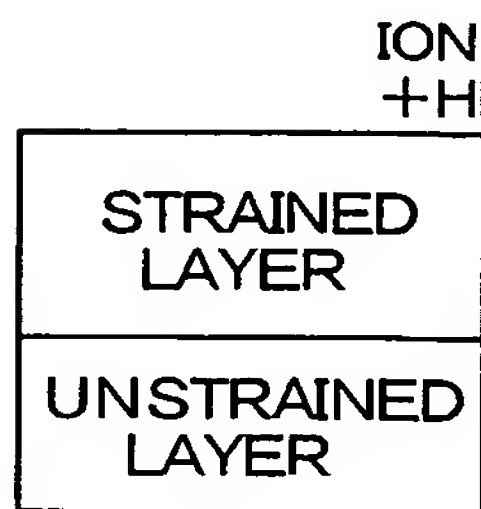


FIG. 32B

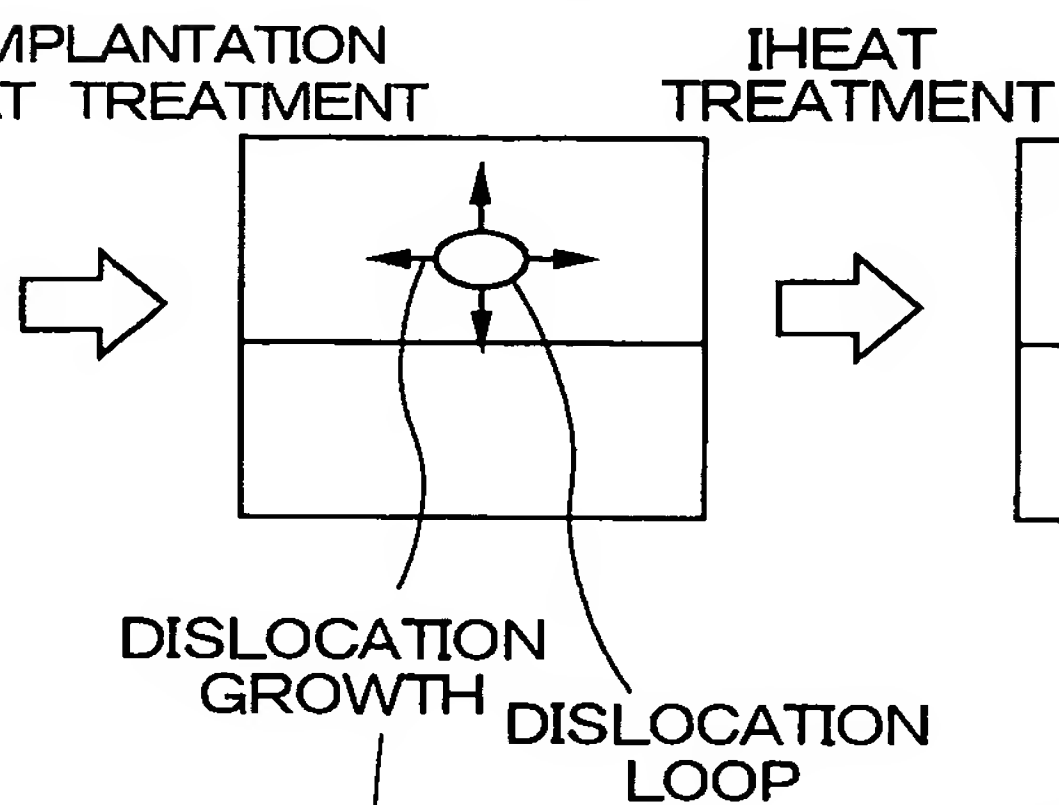
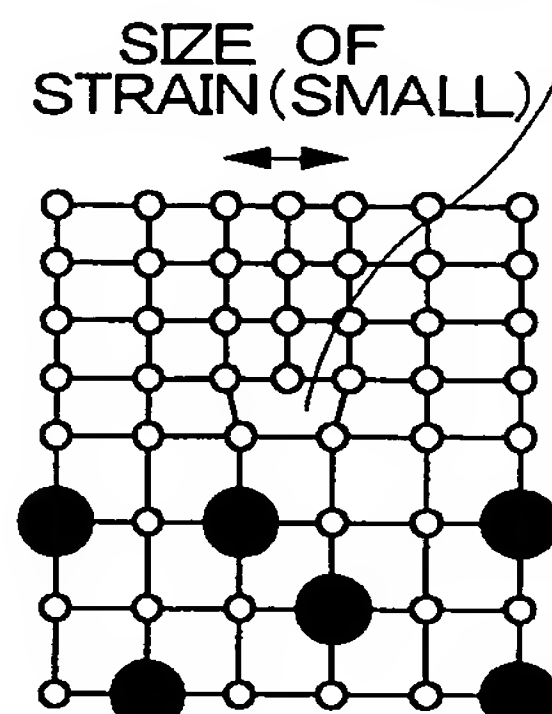
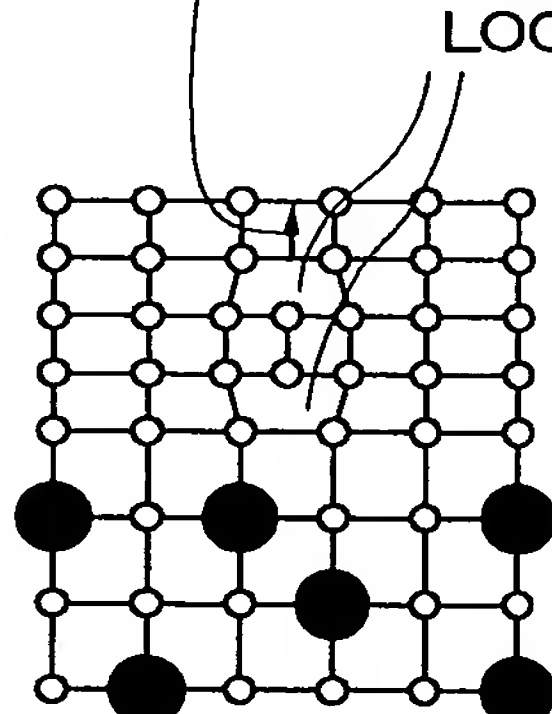
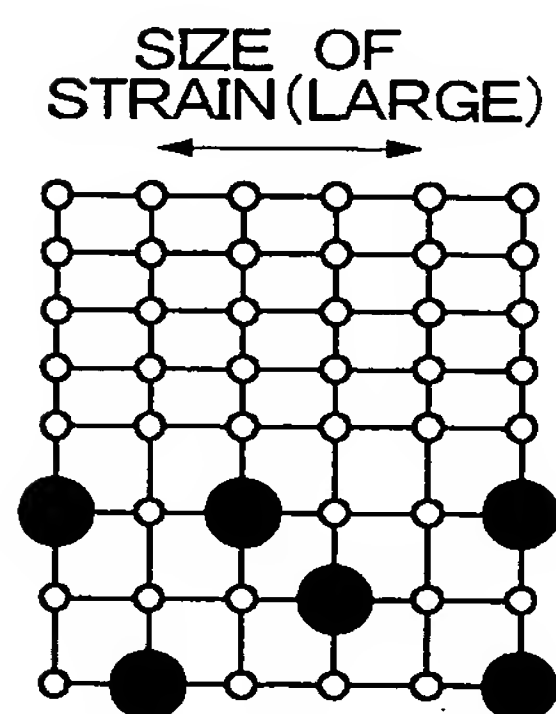
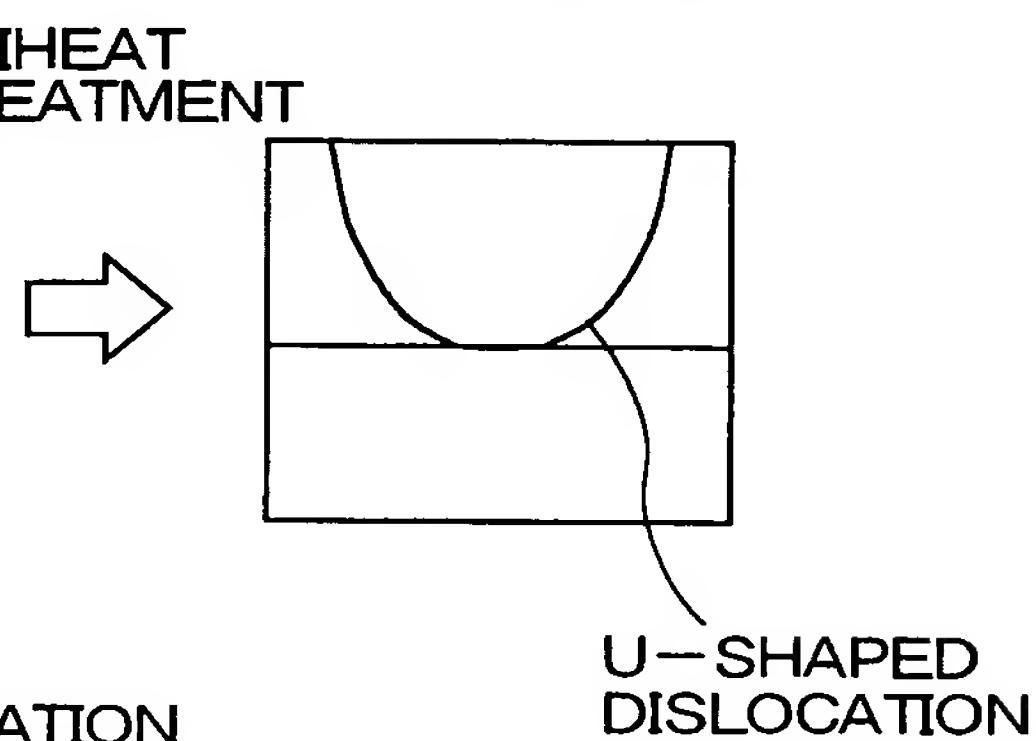


FIG. 32C



LOWER DIAGRAMS ARE SCHEMATIC VIEWS OF UPPER DIAGRAMS WHEN THE UPPER DIAGRAMS ARE VIEWED DIRECTLY FROM THE SIDE

FIG. 33

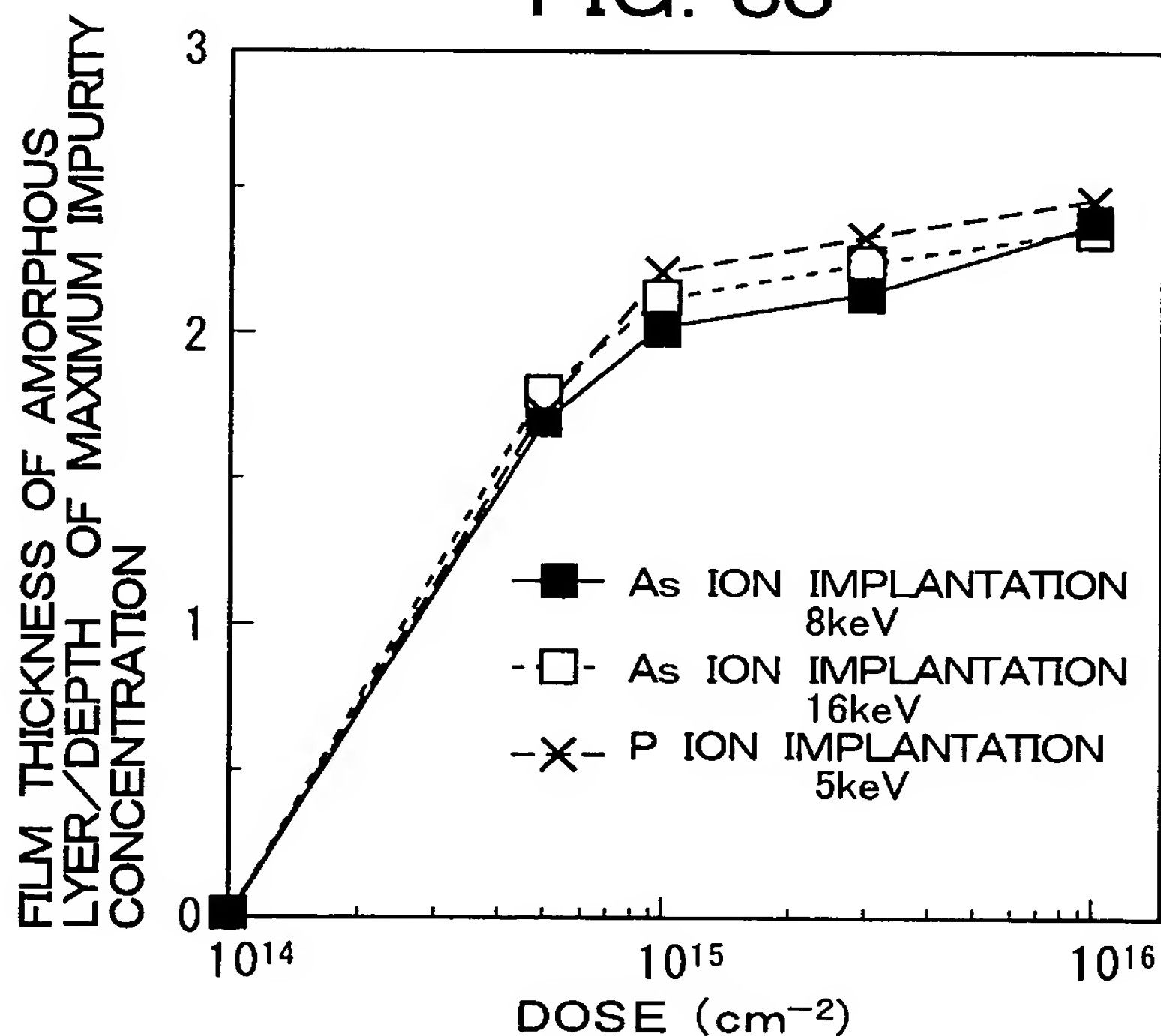


FIG. 34A

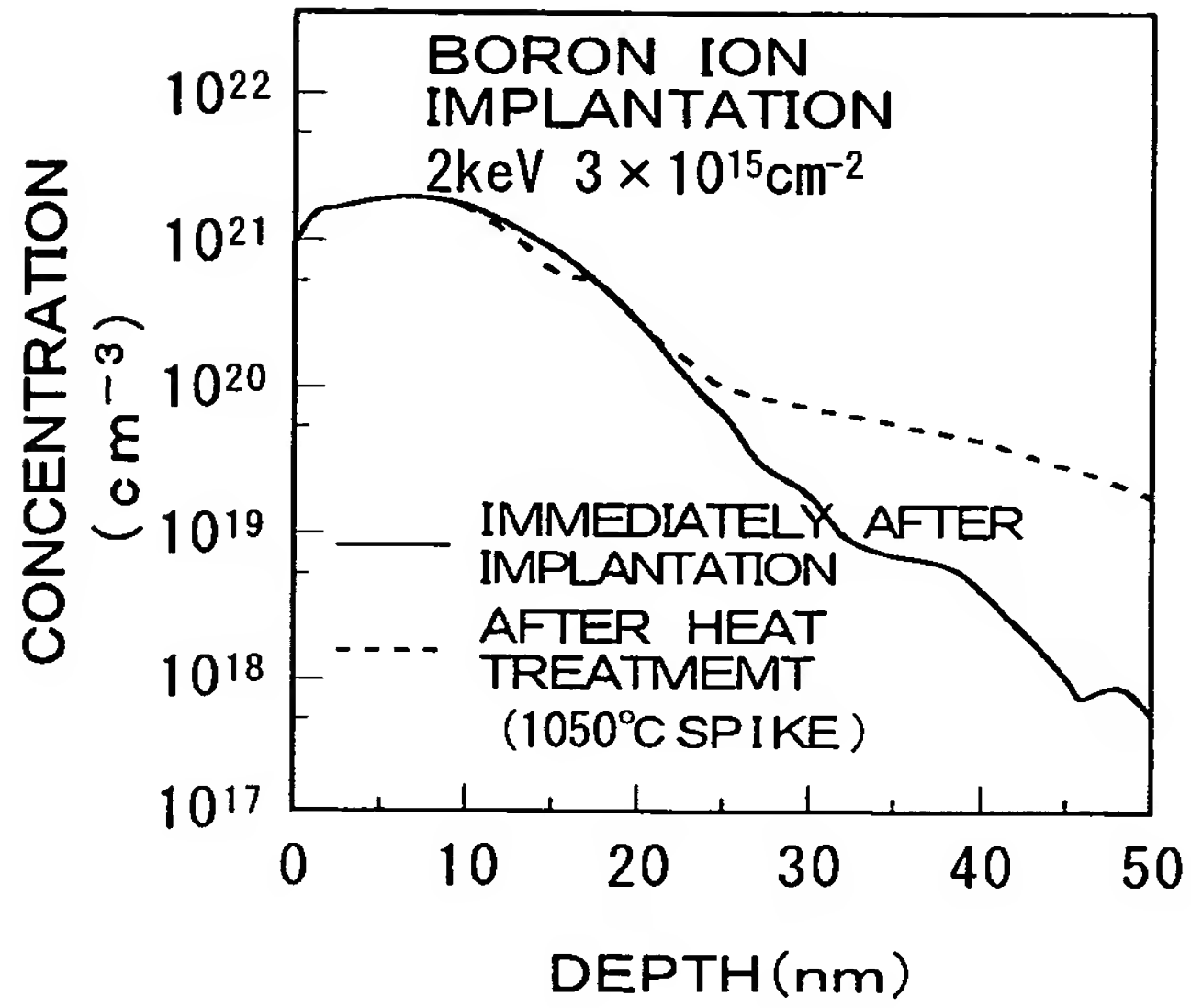


FIG. 34B

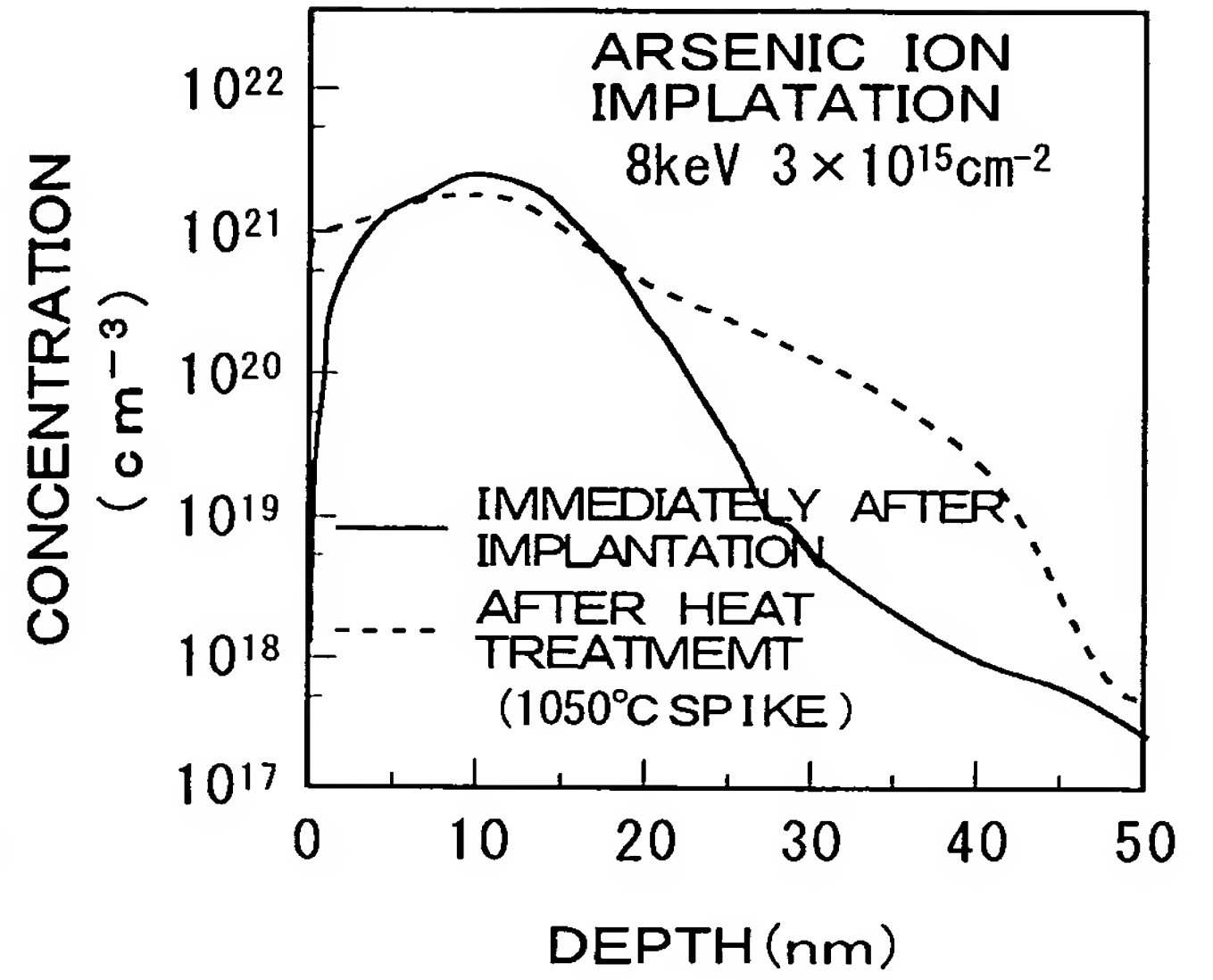


FIG. 35A

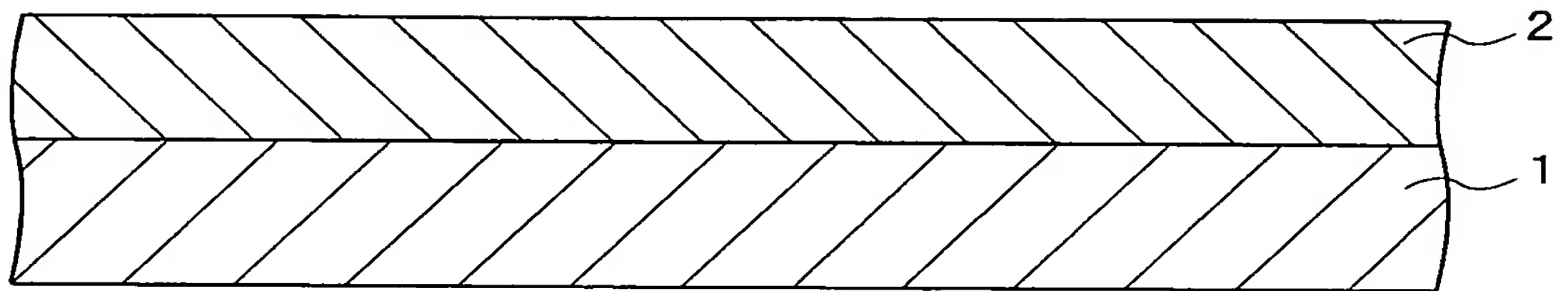


FIG. 35B

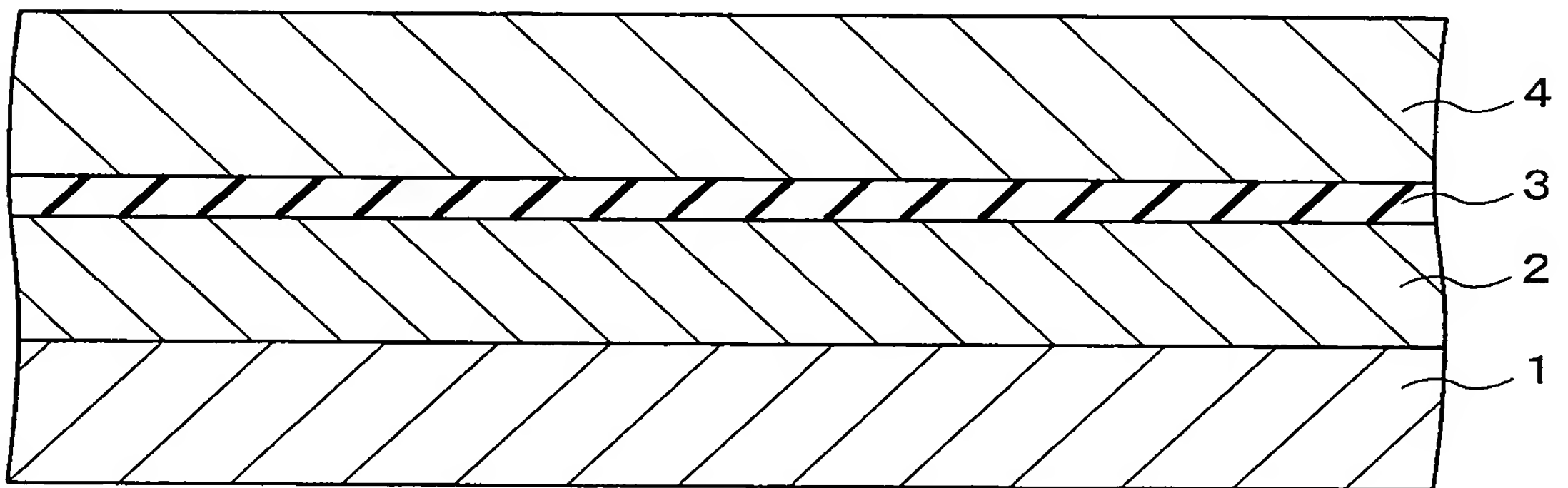


FIG. 35C

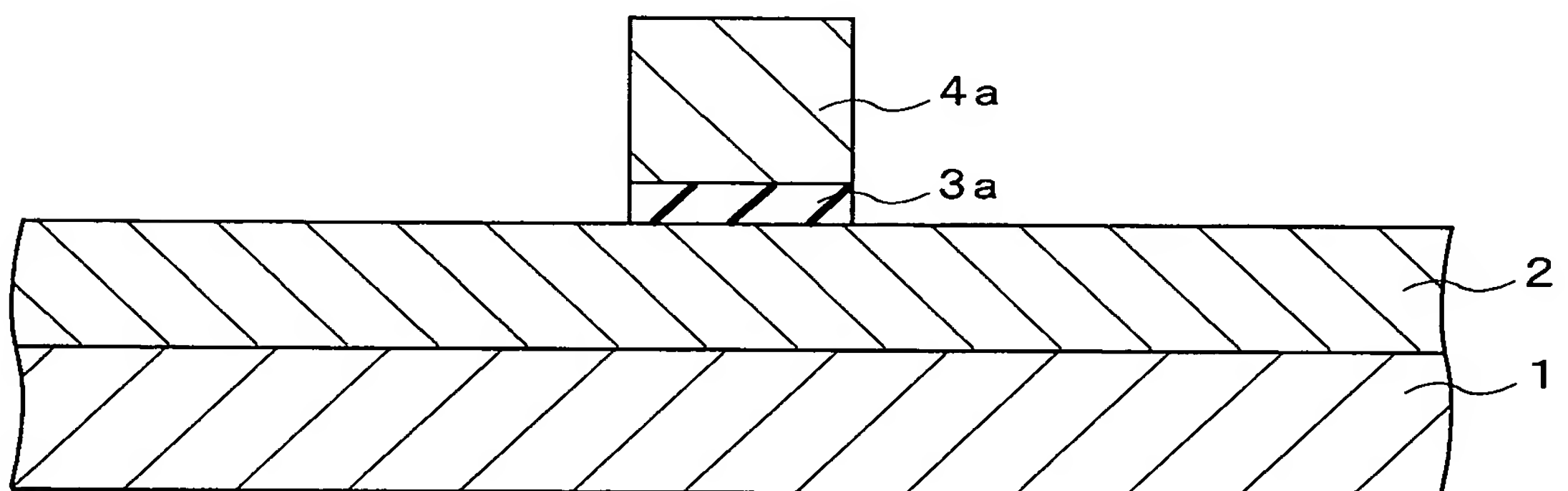


FIG. 36A

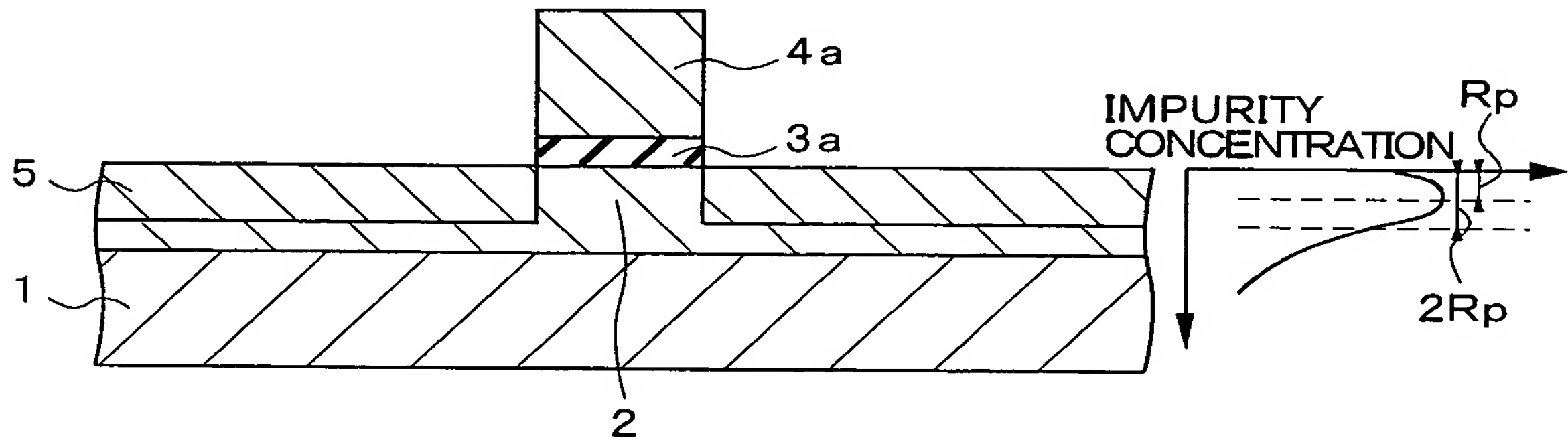


FIG. 36B

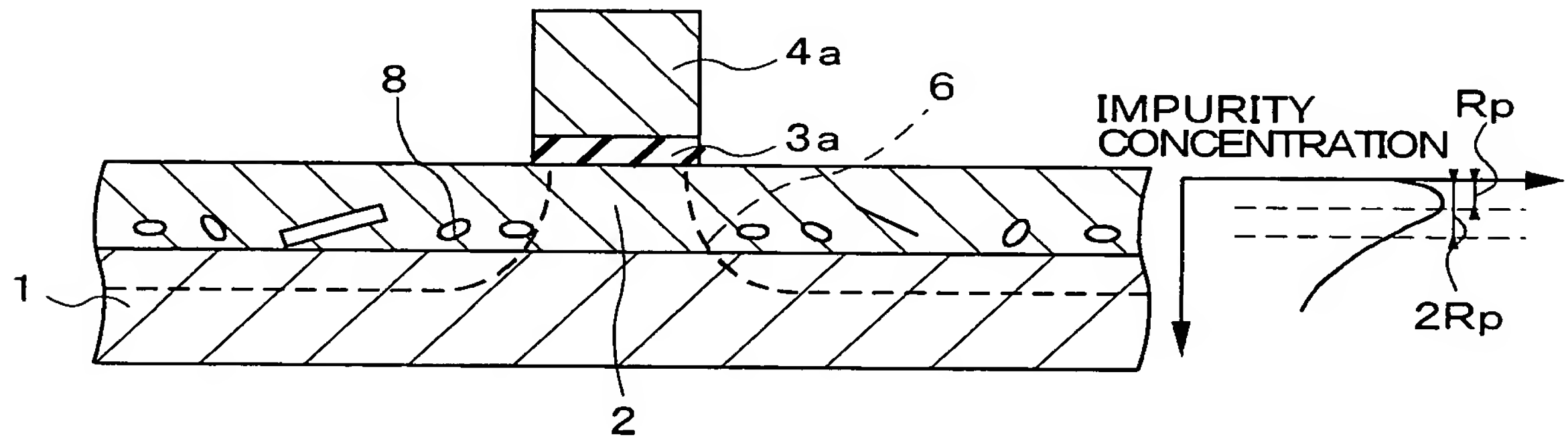
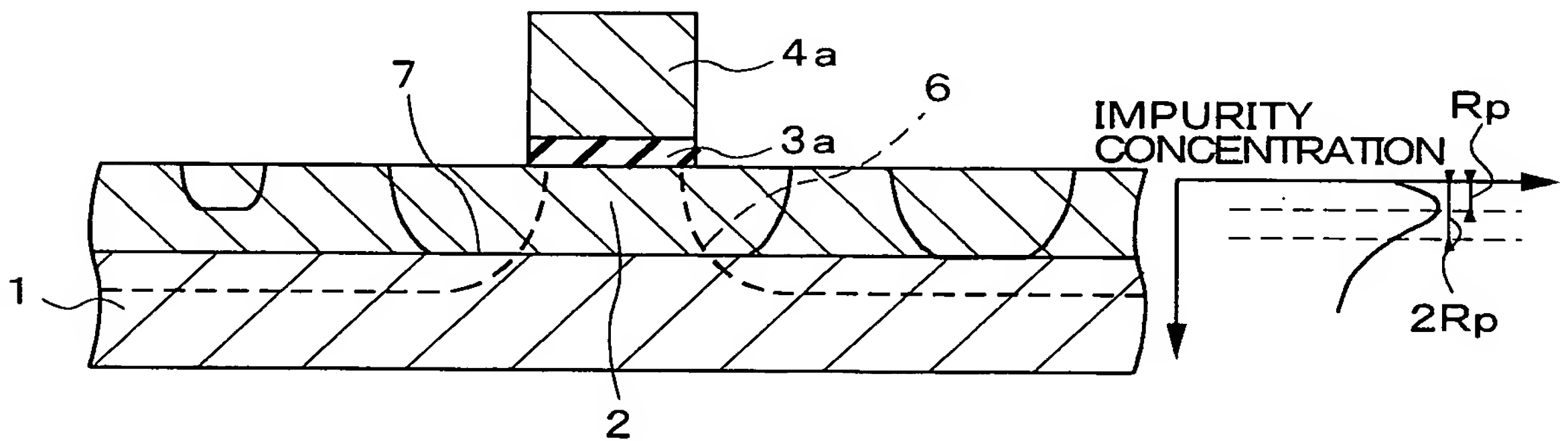


FIG. 36C



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